

**1. Definitions**

“**Consumable(s)**” means Seller branded reagents and consumable items that are intended by Seller to be consumed through the use of Hardware. “**Documentation**” means Seller’s user manual, package insert, and similar technical documentation, for the Product in effect on the date that the Product ships from Seller. Documentation may be provided with the Product at time of shipment or provided electronically from Seller. “**Hardware**” means Seller branded instruments, accessories, or peripherals. “**Product(s)**” means the item(s) acquired hereunder. Products may be Hardware, Consumables, or Software. Software may be embedded in or installed on Hardware or provided separately. “**Purchaser**” means the person or entity acquiring the Product with the intent to use the Product, from (i) Seller or (ii) Seller’s authorized distributor or reseller. “**Seller**” means the Illumina entity selling the Product. The Seller is identified on the quotation, order acknowledgment or similar communication, or Seller website if the order is being placed electronically at Seller’s website. “**Software**” means Seller branded software (e.g., Hardware operating software, data analysis software). “**Specifications**” means Seller’s written technical specifications for the Product in effect on the date that the Product ships from Seller.

**2. Rights to Products upon Purchase**

Subject to these terms and conditions, Purchaser is granted only a non-exclusive, non-transferable, personal, non-sublicensable right under Seller’s Core IP to use the Product in Purchaser’s facility in accordance with the Product’s Specifications and Documentation, specifically excluding the following “**Excluded Uses**”: any use that (a) is a use of the Product to perform non-invasive pre-natal testing, (b) is a use of the Product as, or as a component of, an in vitro diagnostic device, or (c) is a use of the Product to perform testing of human samples and specimens where results are reported, directly or indirectly, to a patient or healthcare practitioner. All Software, whether provided separately, installed on, or embedded in a Product, is licensed to Purchaser, not sold. Except as expressly stated in this Section no right or license under any intellectual property rights of Seller or Seller’s affiliates is or are granted, expressly, by implication, or by estoppel, to Purchaser, and any such rights are expressly reserved to Seller and its affiliates. Purchaser agrees that the contents of and methods of operation of the Product are proprietary to Seller and the Product contains or embodies trade secrets of Seller. “**Core IP**” means the intellectual property owned or controlled by Seller and Seller’s wholly-owned affiliates, as of the date the Product ships, that pertain to or cover aspects or features of the Product (or use thereof) that are common to the Product in all applications and all fields of use but does not include intellectual property that pertain to or cover aspects or features of the Product (and use thereof) only with regard to specific field(s) or specific application(s).

**Purchaser is solely responsible for determining whether Purchaser has all intellectual property rights that are necessary for Purchaser’s intended uses of the Product.**

**3. Product Restrictions**

The conditions and restrictions found in these terms and conditions are bargained for conditions of sale and therefore control the sale of and use of the Products by Purchaser.

- a. **Unauthorized Uses of Products.** Purchaser agrees: (i) to only use the Product in accordance with the Product’s Documentation and Specifications and not to, nor authorize any third party to, use the Products as described in any Excluded Uses, (ii) to use each Consumable only one time, and (iii) to use only Seller Consumables with Seller Hardware. The limitations in (ii)-(iii) do not apply if the Documentation or Specifications for the Product expressly state otherwise.
- b. **Unauthorized Transfer of Products.** Licenses to the Software are not transferable. Purchaser agrees to not sell, rent, lease, loan, transfer or assign or otherwise dispose of any Hardware or component thereof containing Software to any third party unless Purchaser first erases or removes the Software.

**4. Regulatory**

The Product is labeled with a For Research Use Only or similar labeling statement and is not for use in diagnostic procedures. Purchaser acknowledges that (i) the Product has not been approved, cleared, or licensed by the United States Food and Drug Administration or any other regulatory entity whether foreign or domestic for any specific intended use, whether research, commercial, diagnostic, or otherwise, and (ii) Purchaser must ensure it has any regulatory approvals that are necessary for Purchaser’s intended uses of the Product. Purchaser further agrees to comply with all applicable laws and regulations when using, maintaining, and disposing of Product.

**5. Limited Liability**

**TO THE EXTENT PERMITTED BY LAW, IN NO EVENT SHALL SELLER OR ITS SUPPLIERS BE LIABLE TO PURCHASER OR ANY THIRD PARTY FOR COSTS OF PROCUREMENT OF SUBSTITUTE PRODUCTS OR SERVICES, LOST PROFITS, DATA OR BUSINESS, OR FOR ANY INDIRECT, SPECIAL, INCIDENTAL, EXEMPLARY, CONSEQUENTIAL, OR PUNITIVE DAMAGES OF ANY KIND ARISING OUT OF OR IN CONNECTION WITH, WITHOUT LIMITATION, THE SALE OF THE PRODUCT, ITS USE, SELLER’S PERFORMANCE OR ANY OF THESE TERMS AND CONDITIONS, HOWEVER ARISING OR CAUSED AND ON ANY THEORY OF LIABILITY (WHETHER IN CONTRACT, TORT (INCLUDING NEGLIGENCE), STRICT LIABILITY OR OTHERWISE).**

**TO THE EXTENT PERMITTED BY LAW, SELLER’S TOTAL AND CUMULATIVE LIABILITY TO PURCHASER OR ANY THIRD PARTY ARISING OUT OF OR IN CONNECTION WITH THESE TERMS AND CONDITIONS, INCLUDING WITHOUT LIMITATION, THE PRODUCT (INCLUDING USE THEREOF) AND SELLER’S PERFORMANCE, WHETHER IN CONTRACT, TORT (INCLUDING NEGLIGENCE), STRICT LIABILITY OR OTHERWISE, SHALL IN NO EVENT EXCEED THE AMOUNT PAID TO SELLER FOR THE PARTICULAR PRODUCT CONTAINED IN THE PARTICULAR ORDER THAT DIRECTLY CAUSED THE LIABILITY.**

**6. Limitations on Warranties**

**TO THE EXTENT PERMITTED BY LAW AND SUBJECT TO THE EXPRESS PRODUCT WARRANTY MADE IN THESE TERMS AND CONDITIONS SELLER MAKES NO (AND EXPRESSLY DISCLAIMS ALL) WARRANTIES, EXPRESS, IMPLIED OR STATUTORY, WITH RESPECT TO THE PRODUCT, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NONINFRINGEMENT, OR ARISING FROM COURSE OF PERFORMANCE, DEALING, USAGE**

**OR TRADE. WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, SELLER MAKES NO CLAIM, REPRESENTATION, OR WARRANTY OF ANY KIND AS TO THE UTILITY OF THE PRODUCT FOR PURCHASER'S INTENDED USES.**

## 7. Product Warranty

All warranties are personal to the Purchaser and may not be transferred or assigned to a third-party, including an affiliate of Purchaser. All warranties are facility specific and do not transfer if the Product is moved to another facility of Purchaser, unless Seller conducts such move. The warranties described in these terms and conditions exclude any stand-alone third party goods that may be acquired or used with the Products.

- a. **Warranty for Consumables.** Seller warrants that Consumables, other than custom Consumables, will conform to their Specifications until the later of (i) 3 months from the date of shipment from Seller, or (ii) any expiration date or the end of the shelf-life pre-printed on such Consumable by Seller, but in either event, no later than 12 months from the date of shipment. With respect to custom Consumables (i.e., Consumables made to specifications or designs made by Purchaser or provided to Seller by, or on behalf of, Purchaser), Seller only warrants that the custom Consumables will be made and tested in accordance with Seller's standard manufacturing and quality control processes. Seller makes no warranty that custom Consumables will work as intended by Purchaser or for Purchaser's intended uses.
- b. **Warranty for Hardware.** Seller warrants that Hardware, other than Upgraded Components, will conform to its Specifications for a period of 12 months after its shipment date from Seller unless the Hardware includes Seller provided installation in which case the warranty period begins on the date of installation or 30 days after the date the Hardware was delivered, whichever occurs first ("**Base Hardware Warranty**"). "**Upgraded Components**" means Seller provided components, modifications, or enhancements to Hardware provided pursuant to the Base Hardware Warranty. Seller warrants that Upgraded Components will conform to their Specifications for a period of 90 days from the date the Upgraded Components are provided by Seller. Upgraded Components do not extend the Base Hardware Warranty unless the upgrade was conducted by Seller at Seller's facilities in which case the upgraded Hardware shipped to Purchaser comes with a new Base Hardware Warranty.
- c. **Exclusions from Warranty Coverage.** The foregoing warranties do not apply to the extent a non-conformance is due to (i) abuse, misuse, neglect, negligence, accident, improper storage, or use contrary to the Documentation or Specifications, (ii) use that is an Excluded Use, (iii) improper handling, installation, maintenance, or repair (other than if performed by Seller's personnel), (iv) unauthorized alterations, (v) Force Majeure events, or (vi) use with a third party's good (unless the Product's Documentation or Specifications expressly state such third party's good is for use with the Product).
- d. **Procedure for Warranty Coverage.** In order to be eligible for repair or replacement under this warranty Purchaser must (i) promptly contact Seller's support department to report the non-conformance, (ii) cooperate with Seller in confirming or diagnosing the non-conformance, and (iii) return the Product, transportation charges prepaid to Seller following Seller's instructions or, if agreed by Seller and Purchaser, grant Seller's authorized repair personnel access to the Product in order to confirm the non-conformance and make repairs.
- e. **Sole Remedy under Warranty.** Seller will, at its option, repair or replace non-conforming Product that is covered by this warranty, provided that Seller can reasonably identify and confirm such nonconformance. The warranty period for repaired or replaced Consumables is 90 days from the date of shipment, or the remaining period on the original Consumables warranty, whichever is later. Hardware may be repaired or replaced with functionally equivalent, reconditioned, or new Hardware or components (if only a component of Hardware is non-conforming). If the Hardware is replaced in its entirety, the warranty period for the replacement is 90 days from the date of shipment or the remaining period on the original Hardware warranty, whichever is later. If only a component is being repaired or replaced, the warranty period for such component is 90 days from the date of shipment or the remaining period on the original Hardware warranty, whichever ends later. The preceding states Purchaser's sole remedy and Seller's sole obligations under the warranty.

## 8. Indemnification

- a. **Indemnification by Seller.** Subject to these terms and conditions, including without limitation, the Exclusions to Seller's Indemnification Obligations (Section 8(b) below), the Conditions to Indemnification Obligations (Section 8(d) below), Seller shall (i) defend, indemnify and hold harmless Purchaser against any third-party claim or action alleging that the Product when used in accordance with these terms and conditions infringes the valid and enforceable intellectual property rights of a third party, and (ii) pay all settlements entered into, and all final judgments and costs (including reasonable attorneys' fees) awarded against Purchaser in connection with such infringement claim. If the Product or any part thereof, becomes, or in Seller's opinion may become, the subject of an infringement claim, Seller shall have the right, at its option, to (A) procure for Purchaser the right to continue using the Product, (B) modify or replace the Product with a substantially equivalent non-infringing substitute, or (C) require the return of the Product and terminate the rights, license, and any other permissions provided to Purchaser with respect to the Product and refund to Purchaser the depreciated value (as shown in Purchaser's official records) of the returned Product at the time of such return; provided that, no refund will be given for used-up or expired Consumables. This Section states the entire liability of Seller for any infringement of third party intellectual property rights.
- b. **Exclusions to Seller Indemnification Obligations.** For the avoidance of doubt, Seller has no obligation to defend, indemnify or hold harmless Purchaser for any infringement claim to the extent such infringement arises from: (i) use of the Product in any manner or for any Excluded Use, (ii) use of the Product in any manner not in accordance with the rights expressly granted to Purchaser under these terms and conditions, (iii) use of the Product in combination with any third party products, materials, or services (unless the Product's Documentation or Specifications expressly state such third party's good is for use with the Product), (iv) use of the Product to perform any assay or other process not supplied by Seller, (v) Seller's compliance with specifications or instructions for such Product furnished by, or on behalf of, Purchaser, or (vi) Purchaser's breach of any of these terms and conditions, (vii) use of stand-alone third party goods that may be acquired or used with the Products (each of (i) – (vii), is referred to as an "**Excluded Claim**").
- c. **Purchaser Liability.** Purchaser shall be responsible to the extent provided by applicable law for third party claims, liabilities, damages, fines, penalties, causes of action, and losses of any and every kind, including without limitation, personal injury or death claims, and infringement of a third party's intellectual property rights, exclusively resulting from, relating to, or arising out of (i) Purchaser's breach of any of these terms and conditions, (ii) Purchaser's use of the Product outside of the scope of research use purposes, (iii) any use of the Products not in accordance with the Product's Specifications or Documentation, or (iv) any Excluded Claim.

- d. **Conditions to Indemnification Obligations.** The parties' indemnification obligations, if any, are conditioned upon the party seeking indemnification (i) promptly notifying the other party in writing of such claim or action, (ii) giving the other party exclusive control and authority over the defense and settlement of such claim or action, (iii) not admitting infringement of any intellectual property right without prior written consent of the other party, (iv) not entering into any settlement or compromise of any such claim or action without the other party's prior written consent, and (v) providing reasonable assistance to the other party in the defense of the claim or action; provided that, the indemnifying party reimburses the indemnified party for its reasonable out-of-pocket expenses incurred in providing such assistance.

9. **Payment Terms**

Seller will invoice upon shipment. Subject to Seller's credit review of Purchaser (following which Seller shall inform Purchaser of applicable payment terms), all payments are due within 30 days of the date of the invoice except that payments in Japan are due within 60 days of the date of the invoice. All amounts due shall be paid in the currency found on the invoice. If payment is made by wire or other electronic funds transfer, Purchaser is solely responsible for any bank or other fees charged, and will reimburse Seller for any such fees. If any payment is not made by the due date Seller may exercise all rights and remedies available by law. Purchaser shall pay for all costs (including reasonable attorneys' fees) incurred by Seller in connection with the collection of late payments. Each purchase order is a separate, independent transaction, and Purchaser has no right of set-off against other purchase orders or other transactions with Seller. Seller will determine payment terms on a per-order basis and may modify credit terms in its discretion. Any amounts not paid when due will accrue interest at the rate of 1.5% per month, or the maximum amount allowed by law, if lower.

10. **Shipping Terms; Title and Risk of Loss**

Unless otherwise set forth in writing by Seller or otherwise agreed between the parties, all shipments are made DAP (Incoterms 2010) at the address designated by Purchaser at the time of ordering and Purchaser is responsible for freight and insurance which will be added to the invoice and paid by Purchaser, except that all shipments to member countries of the E.U. are made DDP (Incoterms 2010) at the address designated by Purchaser at the time of ordering. In all cases, title (except for Software and third-party software) and risk of loss transfers to Purchaser when Product is made available at such address.

11. **Taxes**

Purchaser agrees that any applicable sales, use, excise, VAT (value added tax), GST (goods and services tax), withholding and other taxes will be calculated based on both the tax rates in effect on the date of shipment and the ship to address for the Product. Any amounts for tax listed on a quotation, if any, are for reference purposes only and are not binding on Seller. All prices and other amounts payable to Seller are exclusive of and are payable without deduction for any taxes, customs duties, tariffs or charges hereafter claimed or imposed by any governmental authority upon the sale of Product, all of which will be paid by Purchaser. In the event Seller is required by law or regulation to pay any such tax, duty or charge, such amount will be added to the purchase price or subsequently invoiced to the Purchaser. For Purchasers in New Zealand, Seller and Purchaser agree that subsection 8(4) Goods and Services Tax Act 1985, as may be amended, does not apply to the Products.

12. **General**

- a. **Applicability of Terms and Conditions.** These terms and conditions exclusively govern the ordering, purchase, supply, and use of Product, and override any conflicting, amending and/or additional terms contained in any purchase orders, invoices, or similar documents all of which are hereby rejected and are null and void. Seller's failure to object to any such terms shall not constitute a waiver by Seller, nor constitute acceptance by Seller of such terms and conditions. Third party products may be subject to additional terms and conditions.
- b. **Order Changes/Cancellations.** Orders for Products may not be changed or cancelled once placed.
- c. **Governing Law.** These terms and conditions, their interpretation, and the performance of the parties shall be governed by the laws of (i) the State of Maine, U.S.A., if Purchaser is located in the United States or (ii) the laws of the country where the Seller entity is located, if Purchaser is not located in the United States. Seller and Purchaser agree that the United Nations Convention on Contracts for the International Sale of Goods shall not apply to these terms and conditions, including any terms in the Documentation.
- d. **Intentionally Deleted**
- e. **Representations and Warranties.** Purchaser is not an authorized dealer, representative, reseller, or distributor of any of Seller's, or its affiliates', products or services. Purchaser represents and warrants that it (i) is not purchasing the Product on behalf of a third party, (ii) is not purchasing the Product in order to resell or distribute the Product to a third party, (iii) is not purchasing the Product in order to export the Product from the country in which Seller shipped the Product pursuant to the ship-to address designated by Purchaser at the time of ordering ("**Ship-To Country**"), and (iv) will not export the Product out of the Ship-To Country.
- f. **Remedies for Breach.** In addition to any remedies specified elsewhere under these terms and conditions, and any remedies available to Seller under law or in equity, in the event Purchaser breaches these terms and conditions, Seller may do any, all, or any combination of the following: (i) cease performance, including without limitation, cease further shipments of Product, (ii) terminate the rights granted to Purchaser pursuant to Section 2 (Rights to Product Upon Purchase), (iii) terminate any service contracts then in effect for affected Product, (iv) terminate any remaining product warranty for the affected Product, or (v) require Purchaser to immediately pay any unpaid invoices.
- g. **Service Contracts.** If a Seller extended service contract for Hardware is being provided, then Seller's standard terms and conditions for such service contract shall exclusively govern such extended service contract.
- h. **Future Products.** Any future products and/or services ("**Unreleased Products**") are subject to new part numbers, pricing, and specifications and the acquisition of Product hereunder is not in reliance on the availability of any Unreleased Products.
- i. **Seller Affiliates.** Any actions or rights that may be performed or exercised by Seller may be performed or exercised by Seller itself or by any of its affiliates. By way of non-limiting example, Seller's affiliates may carry out shipment, servicing, invoicing and receipt of payment.
- j. **Force Majeure.** Seller is not responsible for any failure to perform or delay attributable in whole or in part to any cause beyond its reasonable control, including but not limited to acts of God, fire, flood, tornado, earthquake, hurricane, lightning, government actions, actual or threatened acts of war, terrorism, civil disturbance or insurrection, sabotage, labor shortages or disputes, failure or delay in delivery by Seller's suppliers or subcontractors, transportation

difficulties, shortage of energy, raw materials or equipment, or Purchaser's fault or negligence. In the event of any such delay the delivery date shall be deferred for a period equal to the time lost by reason of the delay.

- k. **Notices.** Any notice required or permitted shall be in writing and shall be deemed received when (i) delivered personally; (ii) 5 days after having been sent by registered or certified mail, return receipt requested, postage prepaid (or 10 days for international mail); or (iii) 1 day after deposit with a commercial express courier that provides written verification of receipt.
- l. **Seller Information.** Seller may maintain and use a database of orders and account information pertaining to Purchaser for purposes of order processing, maintaining records, assisting with future orders of Purchaser, and compliance with applicable laws and regulations. Purchaser may not disclose any financial terms of this transaction to any third party without the prior written consent of the Seller, except as (and only to the extent) required by securities or other applicable law. Purchaser grants to Seller a non-exclusive, fully paid-up, royalty-free, worldwide, irrevocable, perpetual right and license, with the right to sublicense, to use and commercialize in any manner suggestions, ideas or comments provided by Purchaser to Seller related to the Products.
- m. **Export Compliance.** The Products, any related technology, or information provided to Purchaser may be subject to restrictions and controls imposed by the United States Export Administration Act and the regulations thereunder (or the export regulations and laws of another country). Notwithstanding anything to the contrary in these terms and conditions, Purchaser agrees not to use the Products in, or export or re-export the Products, any related technology, or information provided to Purchaser into, any country or to any person or entity, or in any manner, in violation of such controls or any other laws, rules or regulations of any country, state or jurisdiction.
- n. **Healthcare Law Compliance.** Purchaser acknowledges and agrees that as a healthcare company, Seller, and Seller's affiliates, may be required by applicable law and regulation ("Healthcare Laws") to disclose the existence of these terms and conditions, the terms herein including financial terms, and the subject matter (e.g., the U.S. Sunshine Act, and state and foreign equivalents). Seller agrees it, and its affiliates, will disclose the least amount of information as possible in order to comply with such Healthcare Laws.
- o. **Miscellaneous.** Except as expressly stated in these terms and conditions, no right or license under any of Seller, or Seller's affiliates, intellectual property rights is or are granted expressly, by implication, or by estoppel. All references to days mean calendar days unless specifically stated otherwise. Seller may cease performance (including cancellation of any order outstanding) immediately without liability to Purchaser if Purchaser becomes the subject of a voluntary or involuntary petition in bankruptcy or any proceeding relating to insolvency, receivership, liquidation or composition for the benefit of creditors. These terms and conditions represent the entire agreement between the parties regarding the subject matter hereof and supersede all prior discussions, communications, agreements, and understandings of any kind between the parties. No amendment to these terms or waiver of any right, condition, or breach will be effective unless made in a writing signed by both parties. If any provision is held invalid or unenforceable, such provision shall be enforced to the maximum extent permissible so as to give effect to the intent of the parties, and the remaining terms will continue in full force and effect. The failure of either party to exercise any right granted herein or to require any performance of any term or the waiver by either party of any breach shall not prevent a subsequent exercise or enforcement of, or be deemed a waiver of any subsequent breach of, the same or any other term. Nothing herein shall constitute or create a joint venture, partnership, or any other similar arrangement between the parties. There are no third party beneficiaries to these terms and conditions.

MAINE DEPARTMENT OF HUMAN HEALTH SERVICES


  
\_\_\_\_\_  
Signature

Donny Crockett  
\_\_\_\_\_  
Printed Name

Contact Grant Spec.  
\_\_\_\_\_  
Title Div. of Purchases

5/12/17  
\_\_\_\_\_  
Date

ILLUMINA, INC.

  
\_\_\_\_\_  
Signature

Mark Van Oene  
\_\_\_\_\_  
Printed Name

CCO  
\_\_\_\_\_  
Title

5/10/2017  
\_\_\_\_\_  
Date

MA 18P 17022700000000000098  
MODIFICATION

**State of Maine**



**Master Agreement**

**Effective Date:** 02/01/17

**Expiration Date:** 02/14/21

**Master Agreement Description:** Illumina Master Agreement for Supplies and Reagents

**Buyer Information**

Justin Franzose 207-624-7337 ext. justin.franzose@maine.gov

**Issuer Information**

Lisa Robbins 207-287-1709 ext. lisa.robbins@maine.gov

**Requestor Information**

Lisa Robbins 207-287-1709 ext. lisa.robbins@maine.gov

**Agreement Reporting Categories**

**Reason For Modification:** Extension to 2/14/2021.

**Authorized Departments**

10A DEPT OF HUMAN SERVICES

**Vendor Information**

**Vendor Line #:** 1

**Vendor ID**

VC0000211042

**Vendor Name**

ILLUMINA INC

**Alias/DBA**

**Vendor Address Information**

5200 ILLUMINA WAY

SAN DIEGO, CA 92122

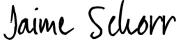
US



Each signatory below represents that the person has the requisite authority to enter into this Contract.  
The parties sign and cause this Contract to be executed.

State of Maine - Department of Administrative and Financial Services

DocuSigned by:



3/10/2020

Signature

Date

Jaime C. Schorr, Chief Procurement Officer

Vendor



3/18/2020

Signature

Date

Mark Van Oene

Print Representative Name and Title

**RIDERS**

<input checked="" type="checkbox"/>	The following riders are hereby incorporated into this Contract and made part of it by reference: (check all that apply)
<input checked="" type="checkbox"/>	Rider A – Scope of Work and/or Specifications
<input checked="" type="checkbox"/>	Rider B – Terms and Conditions
<input type="checkbox"/>	Rider C - Exceptions
<input type="checkbox"/>	Bid Cover Page and Debarment Form
<input checked="" type="checkbox"/>	Debarment, Performance, and Non-Collusion Certification
<input checked="" type="checkbox"/>	Price sheet (attach excel spreadsheet to post on website)
<input checked="" type="checkbox"/>	Other – Included at Department's Discretion



**RIDER A**  
**Scope of Work and/or Specifications**

This master agreement is for Illumina supplies and reagents, per the quotation attached and hereby incorporated into this contract. All quoted prices are in effect until 2/14/2021. This agreement may be renewed annually and has no proposed end date, due to the proprietary nature of these supplies. The Federal Centers for Disease Control (CDC) and Health and Environmental Testing Lab (HETL) protocols require that only Illumina reagents and supplies be used for protocols designed on the Illumina Miseq.

**RIDER B  
TERMS AND CONDITIONS**

- 1. DEFINITIONS:** The following definitions are applicable to these standard terms and conditions:
  - a. The term “Buyer” or “State” shall refer to the Government of the State of Maine or a person representing the Government of the State of Maine.
  - b. The term “Department” or “DAFS” shall refer to the State of Maine Department of Administrative and Financial Services.
  - c. The term “Bureau” or “BGS” shall refer to the State of Maine Bureau of General Services.
  - d. The term “Division” shall refer to the State of Maine Division of Purchases.
  - e. The term “Contractor”, “Vendor”, or “Provider” shall refer to the organization that is providing goods and/or services through the contract to which these standard terms and conditions have been attached and incorporated.
  - f. The term “Contract” or “Agreement” shall refer to the contract document to which these standard terms and conditions apply, taking the format of a Buyer Purchase Order (BPO) or Master Agreement (MA) or other contractual document that is mutually agreed upon between the State and the Contractor.
  
- 2. WARRANTY:** The Contractor warrants the following:
  - a. That all goods and services to be supplied by it under this Contract are fit and sufficient for the purpose intended, and
  - b. That all goods and services covered by this Contract will conform to the specifications, drawing samples, symbols or other description specified by the Division, and
  - c. That such articles are merchantable, good quality, and free from defects whether patent or latent in material and workmanship, and
  - d. That all workmanship, materials, and articles to be provided are of the best grade and quality, and
  - e. That it has good and clear title to all articles to be supplied by it and the same are free and clear from all liens, encumbrances and security interest.

Neither the final certificate of payment nor any provision herein, nor partial nor entire use of the articles provided shall constitute an acceptance of work not done in accordance with this agreement or relieve the Contractor liability in respect of any warranties or responsibility for faulty material or workmanship. The Contractor shall remedy any defects in the work and pay any damage to other work resulting therefrom, which shall appear within one year from the date of final acceptance of the work provided hereunder. The Division of Purchases shall give written notice of observed defects with reasonable promptness.

**3. TAXES:** Contractor agrees that, unless otherwise indicated in the order, the prices herein do not include federal, state, or local sales or use tax from which an exemption is available for purposes of this order. Contractor agrees to accept and use tax exemption certificates when supplied by the Division as applicable. In case it shall ever be determined that any tax included in the prices herein was not required to be paid by Contractor, Contractor agrees to notify the Division and to make prompt application for the refund thereof, to take all proper steps to procure the same and when received to pay the same to the Division.

**4. PACKING AND SHIPMENT:** Deliveries shall be made as specified without charge for boxing, carting, or storage, unless otherwise specified. Articles shall be suitably packed to secure lowest transportation cost and to conform to the requirements of common carriers and any applicable specifications. Order numbers and symbols must be plainly marked on all invoices, packages, bills of lading, and shipping orders. Bill of lading should accompany each invoice. Count or weight shall be final and conclusive on shipments not accompanied by packing lists.

**5. DELIVERY:** Delivery should be strictly in accordance with delivery schedule. If Contractor's deliveries fail to meet such schedule, the Division, without limiting its other remedies, may direct expedited routing and the difference between the expedited routing and the order routing costs shall be paid by the Contractor. Articles fabricated beyond the Division's releases are at Contractor's risk. Contractor shall not make material commitments or production arrangements in excess of the amount or in advance of the time necessary to meet delivery schedule, and, unless otherwise specified herein, no deliveries shall be made in advance of the Division's delivery schedule. Neither party shall be liable for excess costs of deliveries or defaults due to the causes beyond its control and without its fault or negligence, provided, however, that when the Contractor has reason to believe that the deliveries will not be made as scheduled, written notice setting forth the cause of the anticipated delay will be given immediately to the Division. If the Contractor's delay or default is caused by the delay or default of a subcontractor, such delay or default shall be excusable only if it arose out of causes beyond the control of both Contractor and subcontractor and without fault of negligence or either of them and the articles or services to be furnished were not obtainable from other sources in sufficient time to permit Contractor to meet the required delivery schedule.

**6. FORCE MAJEURE:** The State may, at its discretion, excuse the performance of an obligation by a party under this Agreement in the event that performance of that obligation by that party is prevented by an act of God, act of war, riot, fire, explosion, flood or other catastrophe, sabotage, severe shortage of fuel, power or raw materials, change in law, court order, national defense requirement, or strike or labor dispute, provided that any such event and the delay caused thereby is beyond the control of, and could not reasonably be avoided by, that party. The State may, at its discretion, extend the time period for performance of the obligation excused under this section by the period of the excused delay together with a reasonable period to reinstate compliance with the terms of this Agreement.

**7. INSPECTION:** All articles and work will be subject to final inspection and approval after delivery, notwithstanding prior payment, it being expressly agreed that payment will not constitute final acceptance. The Division of Purchases, at its option, may either reject any article or work not in conformity with the requirements and terms of this order, or re-work the same at Contractor's expense. The Division may reject the entire shipment where it consists of a quantity of similar articles and sample inspection discloses that ten (10%) percent of the articles inspected are defective, unless Contractor agrees to reimburse the Division for the cost of a complete inspection of the articles included in such shipment. Rejected material may be returned at Contractor's risk and expense at the full invoice price plus applicable incoming transportation charges, if any. No replacement of defective articles or work shall be made unless specified by the Division.

**8. INVOICE:** The original and duplicate invoices covering each and every shipment made against this order showing Contract number, Vendor number, and other essential particulars, must be forwarded promptly to the ordering agency concerned by the Vendor to whom the order is issued. Delays in receiving invoice and also errors and omissions on statements will be considered just cause for withholding settlement without losing discount privileges. All accounts are to be carried in the name of the agency or institution receiving the goods, and not in the name of the Division of Purchases.

**9. ALTERATIONS:** The Division reserves the right to increase or decrease all or any portion of the work and the articles required by the bidding documents or this agreement, or to eliminate all or any portion of such work or articles or to change delivery date hereon without invalidating this Agreement. All such alterations shall be in writing. If any such alterations are made, the contract amount or amounts shall be adjusted accordingly. In no event shall Contractor fail or refuse to continue the performance of the work in providing of articles under this Agreement because of the inability of the parties to agree on an adjustment or adjustments.

**10. TERMINATION:** The Division may terminate the whole or any part of this Agreement in any one of the following circumstances:

- a. The Contractor fails to make delivery of articles, or to perform services within the time or times specified herein, or
- b. If Contractor fails to deliver specified materials or services, or
- c. If Contractor fails to perform any of the provisions of this Agreement, or
- d. If Contractor so fails to make progress as to endanger the performance of this Agreement in accordance with its terms, or
- e. If Contractor is adjudged bankrupt, or if it makes a general assignment for the benefit of its creditors or if a receiver is appointed because of its insolvency, or
- f. Whenever for any reason the State shall determine that such termination is in the best interest of the State to do so.

In the event that the Division terminates this Agreement in whole or in part, pursuant to this paragraph with the exception of 8(f), the Division may procure (articles and services similar to those so terminated) upon such terms and in such manner as the Division deems appropriate, and Contractor shall be liable to the Division for any excess cost of such similar articles or services.

**11. NON-APPROPRIATION:** Notwithstanding any other provision of this Agreement, if the State does not receive sufficient funds to fund this Agreement and other obligations of the State, if funds are de-appropriated, or if the State does not receive legal authority to expend funds from the Maine State Legislature or Maine courts, then the State is not obligated to make payment under this Agreement.

**12. COMPLIANCE WITH APPLICABLE LAWS:** Contractor agrees that, in the performance hereof, it will comply with applicable laws, including, but not limited to statutes, rules, regulations or orders of the United States Government or of any state or political subdivision(s) thereof, and the same shall be deemed incorporated herein by reference. Awarding agency requirements and regulations pertaining to copyrights and rights in data. Access by the grantee, the subgrantee, the Federal grantor agency, the Comptroller General of the United

States, or any of their duly authorized representatives to any books, documents, papers and records of the Contractor which are directly pertinent to that specific contract for the purpose of making audit, examination, excerpts, and transcriptions. Retention of all required records for three years after grantees or subgrantees make final payments and all other pending matters are closed. Compliance with all applicable standards, orders, or requirements issued under section 306 of the Clean Air Act (42 U.S.C. 1857(h), section 508 of the Clean Water Act, (33 U.S.C. 1368), Executive Order 11738, and Environmental Protection Agency regulations (40 CFR part 15). (Contracts, subcontracts, and subgrants of amounts in excess of \$100,000). Mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with Energy Policy and Conservation Act (Pub. L. 94-163, 89 Stat. 871).

**13. INTERPRETATION:** This Agreement shall be governed by the laws of the State of Maine as to interpretation and performance.

**14. DISPUTES:** The Division will decide any and all questions which may arise as to the quality and acceptability of articles provided and installation of such articles, and as to the manner of performance and rate of progress under this Contract. The Division will decide all questions, which may arise as to the interpretation of the terms of this Agreement and the fulfillment of this Agreement on the part of the Contractor.

**15. ASSIGNMENT:** None of the sums due or to become due nor any of the work to be performed under this order shall be assigned nor shall Contractor subcontract for completed or substantially completed articles called for by this order without the Division's prior written consent. No subcontract or transfer of agreement shall in any case release the Contractor of its obligations and liabilities under this Agreement.

**16. STATE HELD HARMLESS:** The Contractor agrees to indemnify, defend, and save harmless the State, its officers, agents, and employees from any and all claims and losses accruing or resulting to any and all contractors, subcontractors, material men, laborers and other persons, firm or corporation furnishing or supplying work, services, articles, or supplies in connection with the performance of this Agreement, and from any and all claims and losses accruing or resulting to any person, firm or corporation who may be injured or damaged by the Contractor in the performance of this Agreement.

**17. SOLICITATION:** The Contractor warrants that it has not employed or written any company or person, other than a bona fide employee working solely for the Contractor to solicit or secure this Agreement, and it has not paid, or agreed to pay any company, or person, other than a bona fide employee working solely for the Contractor any fee, commission, percentage, brokerage fee, gifts, or any other consideration, contingent upon, or resulting from the award for making this Agreement. For breach or violation of this warranty, the Division shall have the absolute right to annul this agreement or, in its discretion, to deduct from the Agreement price or consideration, or otherwise recover the full amount of such fee, commission, percentage, brokerage fee, gifts, or contingent fee.

**18. WAIVER:** The failure of the Division to insist, in any one or more instances, upon the performance of any of the terms, covenants, or conditions of this order or to exercise any right hereunder, shall not be construed as a waiver or relinquishment of the future performance of any such term, covenant, or condition or the future exercise of such right, but the obligation of Contractor with respect to such future performance shall continue in full force and effect.

**19. MATERIAL SAFETY:** All manufacturers, importers, suppliers, or distributors of hazardous chemicals doing business in this State must provide a copy of the current Material Safety Data Sheet (MSDS) for any hazardous chemical to their direct purchasers of that chemical.

**20. COMPETITION:** By accepting this Contract, Contractor agrees that no collusion or other restraint of free competitive bidding, either directly or indirectly, has occurred in connection with this award by the Division of Purchases.

**21. INTEGRATION:** ~~All terms of this Contract are to be interpreted in such a way as to be consistent at all times with this Standard Terms and Conditions document, and this document shall take precedence over any other terms, conditions, or provisions incorporated into the Contract.~~

**We have pre-negotiated terms that are attached to the front of this packet.**

RIDER C  
EXCEPTIONS

NA


### Debarment, Performance, and Non-Collusion Certification

*By signing this document, I certify to the best of my knowledge and belief that the aforementioned organization, its principals, and any subcontractors named in this proposal:*

- a. Are not presently debarred, suspended, proposed for debarment, and declared ineligible or voluntarily excluded from bidding or working on contracts issued by any governmental agency.*
- b. Have not within three years of submitting the proposal for this contract been convicted of or had a civil judgment rendered against them for:*
  - i. fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a federal, state or local government transaction or contract.*
  - ii. violating Federal or State antitrust statutes or committing embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;*
  - iii. are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or Local) with commission of any of the offenses enumerated in paragraph (b) of this certification; and*
  - iv. have not within a three (3) year period preceding this proposal had one or more federal, state or local government transactions terminated for cause or default.*
- c. Have not entered into a prior understanding, agreement, or connection with any corporation, firm, or person submitting a response for the same materials, supplies, equipment, or services and this proposal is in all respects fair and without collusion or fraud. The above-mentioned entities understand and agree that collusive bidding is a violation of state and federal law and can result in fines, prison sentences, and civil damage awards.*

- Failure to provide this certification may result in the disqualification of the Bidder's proposal, at the discretion of the Department.**

*To the best of my knowledge all information provided in the enclosed proposal, both programmatic and financial, is complete and accurate at the time of submission.*

Name: Mark Van Oene	Title: SVP and Chief Commercial Officer
Authorized Signature: 	Date: March 2, 2020



VENDOR CUSTOMER CODE	SUPPLIER PART NUMBER	SUPPLIER NAME	MANUFACTURER NAME	MANUFACTURER PART NUMBER	COMMODITY CODE	ITEM DESCRIPTION	EXTENDED DESCRIPTION	UNIT OF MEASURE	LIST PRICE	DELIVERY DAYS
VC0000211042	15025394 (not available separately online must request quote)	Illumina			49043	EBT		Reagent	\$27.00	Next Day
VC0000211042	MS-102-2002	Illumina			49043	MiSeq Reagent Kit v2 <b>300</b> cycles (comes in 2 boxes)		kit	\$1,110.00	Next Day
VC0000211042	MS-102-2003	Illumina			49043	MiSeq Reagent Kit v2 <b>500</b> cycles (comes in 2 boxes)		kit	\$1,245.00	Next Day
VC0000211042	MS-103-1003	Illumina			49043	MiSeq Reagent <b>Nano</b> Kit v2 (500 cycles)		kit	\$370.00	Next Day
VC0000211042	MS-103-1002	Illumina			49043	MiSeq Reagent <b>Micro</b> Kit v2 (300 cycles)		kit	\$465.00	Next Day
VC0000211042	FC-131-1096	Illumina			49043	Nextera XT DNA Library Prep Kit (comes in 2 boxes)		kit	\$3,270.00	Next Day
VC0000211042	FC-131-1002	Illumina			49043	Nextera XT Library Prep Index Kit (96 Indexes, 384 Samples)				
VC0000211042	FC-110-3001	Illumina			49043	PhiX Control v3		kit	\$ 170.00	Next Day
VC0000211042	MS-102-9999	Illumina			49043	MiSeq Disposable Wash Tubes (for bleach wash)		kit	\$ 3.00	Next Day
VC0000211042	15026762 (not available separately online must request quote)	Illumina			49043	Index Adapter Replacement Caps (provided with 96 Index Kit)		Caps	\$ 150.00	Next Day

With the introduction of the Nextera XT Index Kit v2, catalog no. FC-131-1002 has been obsoleted (Nextera XT Index Kit - 96 indexes, 384 samples).

## EXTENSION OF ANNUAL CONTRACT

**Commodity Item:** Supplies and Reagents

**Contractor:** Illumina

**Contract Period Extended To:** 2/14/2021

**Extension Clause:** The State reserves the right to extend this contract for a period of one year, with the consent of the contractor.

### Agreement to Extend Contract:

In accordance with the above referenced Extension Clause, the undersigned agrees to continue in effect said Contract # MA 1702270000000000098 until February 14<sup>th</sup>, 2021 with all terms, conditions remaining as shown in the original contract.

Copy of which is acknowledged on this date.

Contractor: Illumina, Inc.

By: Mark Van Oene  
SVP and Chief Commercial Officer



E-mail Address: [contratadmin@illumina.com](mailto:contratadmin@illumina.com)

Date: February 24, 2020

**Dollar value the State has spent on this contract from 2/14/2019 to present:**

\$ 79,987.68



## STANDING QUOTATION FOR SUPPLY OF GENETIC ANALYSIS PRODUCTS

Prepared by:

**Illumina, Inc.**  
**5200 Illumina Way**  
**San Diego, CA , 92122-4616 , US**

Hereinafter referred to as "Illumina"

Prepared For:

Maine Department of Health and Human Services  
Hereinafter referred to as "Maine Department of Health and Huma"

Quotation Number:	SQ-20200215LG200
Quotation Date:	February 15, 2020
Expiration Date:	February 14, 2021
Prepared by:	Laura Gray
Phone Number:	+1 (619) 9152427
Email:	LGRAY1@ILLUMINA.COM

**I. CUSTOMER INFORMATION**

Company or Institution Name:	Maine Department of Health and Human Services
Address:	221 State St, Augusta, ME, 04333-0012.

**II. PRODUCT & PRICING INFORMATION**

**Customer receives the following discount(s) on the product families and Individual products listed below (excludes promotionally priced consumables, software, hardware or new instrument purchases, unless otherwise specified). For the discount(s) to apply, Customer must agree to the following:**

- This Standing Quotation, which can be used for multiple purchases, will only be valid until 5:00pm on the expiration date listed on page 1.
- All Customer purchase orders received by Illumina that include this discounted pricing must be in the quoted currency and reference this Standing Quotation.
- All discounts will be applied to Illumina's then current list price. Illumina may, at its sole discretion, adjust discount percentages for future products or make any list price adjustments to the products offered on this Standing Quotation.
- The pricing and terms of this Standing Quotation shall be kept confidential except as needed to execute the purchase order.
- Discounts for consumables apply only to the product families specified in the table herein.
- The products featured on this Standing Quotation are subject to their availability at the time of receipt of a Customer purchase order by Illumina. The listing of products on this Standing Quotation does not constitute a guarantee availability.
- Customer understands that the product pricing stated herein is not inclusive of any applicable shipping, freight and/or taxes. Any estimated shipping and freight charges listed on this Standing Quotation may differ from actual charges. Any shipping/freight costs will be pre-paid and charged back to Customer. Customer accepts responsibility for any actual incurred shipping/freight costs.

Product Family	Discount%
Sequencing Svc Contract 1	5.00%
Infinium consumables	5.00%
MiniSeq Sequencing Consumables	5.00%
MiSeq Sequencing Consumables	5.00%
NextSeq 500/550 Consumables	5.00%
NovaSeq 5000/6000 Sequencing Cons	5.00%
HiSeq 3000-4000 Sequencing Consumables	5.00%
Sample Preparation Consumables	5.00%
SBS and Cluster Generation Sequencing Co	5.00%
Miscellaneous Sequencing Consumables	5.00%
Systems and Instruments	5.00%
Training	5.00%

Discount Exception		
Catalog #	Product Description	Discount
DX-502-1003	Index Adapter Replacement Caps	5.00%

Catalog #	Product Description	List Price (USD)	Customer Price (USD)
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Catalog #	Product Description	List Price (USD)	Customer Price (USD)
Sequencing Svc Contract 1			
20019981	iScan Silver Support Plan	31,500.00	29,925.00
20019979	HiSeq X Five Silver Support Plan	131,230.00	124,668.50
20019978	HiSeq 4000 Silver Support Plan	114,455.00	108,732.25
20019977	HiSeq 3000 Silver Support Plan	110,715.00	105,179.25
20019976	HiSeq 2500 Silver Support Plan	107,690.00	102,305.50
20019975	HiSeq 2000 Silver Support Plan	98,560.00	93,632.00
20019974	HiSeq 1500 Silver Support Plan	97,515.00	92,639.25
20019973	HiSeq 1000 Silver Support Plan	92,455.00	87,832.25
20019982	MiniSeq Silver Support Plan	6,790.00	6,450.50
20019983	MiSeq Silver Support Plan	13,785.00	13,095.75
20019984	MiSeq FGx Silver Support Plan	17,425.00	16,553.75
20019985	MiSeq Dx Silver Support Plan	17,425.00	16,553.75
20019986	NextSeq 500 Silver Support Plan	34,825.00	33,083.75
20019987	NextSeq 550 Silver Support Plan	38,300.00	36,385.00
20019988	NovaSeq 6000 Silver Support Plan	120,325.00	114,308.75
20019992	cBot Gold Support Plan	13,464.00	12,790.80
20019993	cBot2 Gold Support Plan	12,705.00	12,069.75
20019996	HiSeq 1000 Gold Support Plan	121,605.00	115,524.75
20019997	HiSeq 1500 Gold Support Plan	134,310.00	127,594.50
20019998	HiSeq 2000 Gold Support Plan	134,833.00	128,091.35
20019999	HiSeq 2500 Gold Support Plan	145,805.00	138,514.75
20020000	HiSeq 3000 Gold Support Plan	154,880.00	147,136.00
20020001	HiSeq 4000 Gold Support Plan	158,373.00	150,454.35
20020002	HiSeq X Five Gold Support Plan	171,105.00	162,549.75
20020004	iScan Gold Support Plan	43,400.00	41,230.00
20019937	MiSeq POSP	6,375.00	6,056.25
20019936	MiniSeq POSP	3,200.00	3,040.00
20019935	iScan POSP	14,800.00	14,060.00
20019933	HiSeq X Five POSP	81,565.00	77,486.75
20019932	HiSeq 4000 POSP	61,765.00	58,676.75
20019931	HiSeq 3000 POSP	64,130.00	60,923.50
20019930	HiSeq 2500 POSP	61,903.00	58,807.85
20019869	HiSeq 2000 POSP	56,100.00	53,295.00
20019868	HiSeq 1500 POSP	51,205.00	48,644.75

Catalog #	Product Description	List Price (USD)	Customer Price (USD)
20019867	HiSeq 1000 POSP	47,933.00	45,536.35
20019864	cBot2 POSP	4,098.00	3,893.10
20019863	cBot POSP	4,356.00	4,138.20
20019862	Autoloader2 POSP	6,110.00	5,804.50
20019861	Autoloader POSP	5,980.00	5,681.00
20016938	HiSeq Product Care Basic Plan - 6 Month	52,113.00	49,507.35
20016937	MiSeq Product Care Basic Plan - 6 Month	8,635.00	8,203.25
20012911	BSP Storage iCredit	1.00	0.95
20012912	BSP Compute iCredit	1.00	0.95
20012913	BSP DeepChek-HBV iCredit	1.00	0.95
20012914	BSP DeepChek-HCV iCredit	1.00	0.95
20012915	BSP DeepChek-HIV iCredit	1.00	0.95
20012916	BSP Genomatix Pthwy Sys (GePS) iCredit	1.00	0.95
20012917	BSP iPathwayGuide iCredit	1.00	0.95
20012918	BSP LoFreq Rare Variant Caller iCredit	1.00	0.95
20012919	BSP Mutation Forecaster iCredit	1.00	0.95
20012930	BSP PEDANT Sequence Analyzer iCredit	1.00	0.95
20019970	cBot2 Silver Support Plan	8,830.00	8,388.50
20019969	cBot Silver Support Plan	9,438.00	8,966.10
20019968	Autoloader2 Silver Support Plan	10,715.00	10,179.25
20019967	Autoloader Silver Support Plan	10,455.00	9,932.25
20019965	NovaSeq 6000 Bronze Support Plan	73,875.00	70,181.25
20019964	NextSeq 550 Bronze Support Plan	20,625.00	19,593.75
20019963	NextSeq 500 Bronze Support Plan	18,750.00	17,812.50
20019962	MiSeq Dx Bronze Support Plan	9,390.00	8,920.50
20019961	MiSeq FGx Bronze Support Plan	9,390.00	8,920.50
20019960	MiSeq Bronze Support Plan	7,410.00	7,039.50
20019959	MiniSeq Bronze Support Plan	3,720.00	3,534.00
20019958	iScan Bronze Support Plan	17,275.00	16,411.25
20019956	HiSeq X Five Bronze Support Plan	94,050.00	89,347.50
20019955	HiSeq 4000 Bronze Support Plan	71,390.00	67,820.50
20019954	HiSeq 3000 Bronze Support Plan	72,600.00	68,970.00
20019953	HiSeq 2500 Bronze Support Plan	68,970.00	65,521.50
20019952	HiSeq 2000 Bronze Support Plan	62,315.00	59,199.25
20019951	HiSeq 1500 Bronze Support Plan	56,870.00	54,026.50

Catalog #	Product Description	List Price (USD)	Customer Price (USD)
20019950	HiSeq 1000 Bronze Support Plan	53,240.00	50,578.00
20019947	cBot2 Bronze Support Plan	5,045.00	4,792.75
20019946	cBot Bronze Support Plan	5,412.00	5,141.40
20019945	Autoloader2 Bronze Support Plan	7,125.00	6,768.75
20019944	Autoloader Bronze Support Plan	6,685.00	6,350.75
20019942	NovaSeq 6000 POSP	63,325.00	60,158.75
20019941	NextSeq 550 POSP	17,685.00	16,800.75
20019940	NextSeq 500 POSP	16,075.00	15,271.25
20019939	MiSeq Dx POSP	8,035.00	7,633.25
20019938	MiSeq FGx POSP	8,035.00	7,633.25
20020020	HiSeq 1500 ChnlPtnr POSP-EMEA/LATAM	51,205.00	48,644.75
20020555	MiniSeq Warranty Upgrade: BSP	2,055.00	1,952.25
20020556	MiSeq Warranty Upgrade: BSP	4,110.00	3,904.50
20020021	HiSeq 2000 ChnlPtnr POSP-EMEA/LATAM	56,100.00	53,295.00
20020022	HiSeq 2500 ChnlPtnr POSP-EMEA/LATAM	61,903.00	58,807.85
20020023	HiSeq 3000 ChnlPtnr POSP-EMEA/LATAM	64,130.00	60,923.50
20024465	NovaSeq 6000 Reagent Repl. Add-On	28,450.00	27,027.50
20024464	NextSeq Dx Reagent Repl. Add-On	13,400.00	12,730.00
20024463	NextSeq 550 Reagent Repl. Add-On	11,910.00	11,314.50
20024462	NextSeq 500 Reagent Repl. Add-On	10,850.00	10,307.50
20020563	Autoloader ChnlPtnr Support Plan-EMEA	5,385.00	5,115.75
20020564	Autoloader2 ChnlPtnr Support Plan-EMEA	8,140.00	7,733.00
20020565	cBot ChnlPtnr Support Plan-EMEA	5,808.00	5,517.60
20020566	cBot2 ChnlPtnr Support Plan-EMEA	5,450.00	5,177.50
20020569	HiSeq 1000 ChnlPtnr Support Plan-EMEA	63,883.00	60,688.85
20020570	HiSeq 1500 ChnlPtnr Support Plan-EMEA	62,178.00	59,069.10
20020571	HiSeq 2000 ChnlPtnr Support Plan-EMEA	73,288.00	69,623.60
20020572	HiSeq 2500 ChnlPtnr Support Plan-EMEA	66,798.00	63,458.10
20024461	MiSeqDx Reagent Repl. Add-On	5,360.00	5,092.00
20024460	MiSeq FGx Reagent Repl. Add-On	5,360.00	5,092.00
20020118	cBot Warranty Upgrade: GSP	8,052.00	7,649.40
20020119	cBot2 Warranty Upgrade: GSP	7,645.00	7,262.75
20020126	HiSeq 3000 Warranty Upgrade: GSP	71,638.00	68,056.10
20020127	HiSeq 4000 Warranty Upgrade: GSP	76,010.00	72,209.50
20020128	HiSeq X Five Warranty Upgrade: GSP	77,055.00	73,202.25

Catalog #	Product Description	List Price (USD)	Customer Price (USD)
20020130	iScan Warranty Upgrade: GSP	23,250.00	22,087.50
20020131	MiniSeq Warranty Upgrade: GSP	4,836.00	4,594.20
20020132	MiSeq Warranty Upgrade: GSP	10,608.00	10,077.60
20020133	MiSeq FGx Warranty Upgrade: GSP	13,400.00	12,730.00
20020134	MiSeq Dx Warranty Upgrade: GSP	13,400.00	12,730.00
20020135	NextSeq 500 Warranty Upgrade: GSP	26,800.00	25,460.00
20020136	NextSeq 550 Warranty Upgrade: GSP	29,475.00	28,001.25
20020137	NovaSeq 6000 Warranty Upgrade: GSP	84,425.00	80,203.75
20024565	NextSeqDx Gold Support Plan	60,850.00	57,807.50
20024564	NextSeqDx Silver Support Plan	41,675.00	39,591.25
20024563	NextSeqDx Bronze Support Plan	22,475.00	21,351.25
20024547	iSeq 100 Channel Partner POSP	2,080.00	1,976.00
20024546	iSeq 100 Silver SSP - APAC	3,640.00	3,458.00
20020019	HiSeq 1000 ChnlPtnr POSP-EMEA/LATAM	47,933.00	45,536.35
20024459	MiSeq Reagent Repl. Add-On	4,500.00	4,275.00
20020584	NovaSeq 6000 ChnlPtnr Support Plan-EMEA	86,575.00	82,246.25
IL-SER-PER-DIEM	ILLUMINA PER DIEM	434.00	412.30
20024040	iSeq 100 Ad. Exch. Silver	6,240.00	5,928.00
20020025	HiSeq X Five ChnlPtnr POSP-EMEA/LATAM	81,565.00	77,486.75
20020027	iScan ChnlPtnr POSP-EMEA/LATAM	14,794.00	14,054.30
20020028	MiniSeq ChnlPtnr POSP-EMEA/LATAM	3,200.00	3,040.00
20020621	BSSH unlimited Strg+Comp - MiniSeq	6,000.00	5,700.00
20020029	MiSeq ChnlPtnr POSP-EMEA/LATAM	6,375.00	6,056.25
20020622	BSSH unlimited Strg+Comp - MiSeq	6,000.00	5,700.00
20020030	MiSeq FGx ChnlPtnr POSP-EMEA/LATAM	8,035.00	7,633.25
20020623	BSSH unlimited Strg+Comp - NextSeq	20,000.00	19,000.00
20020624	BSSH unlimited Strg+Comp - HiSeq 2500	20,000.00	19,000.00
20023959	iSeq 100 Ad. Exch. Bronze	3,640.00	3,458.00
20023920	BSSH Edico DRAGEN Somatic Pipeline Cred.	1.00	0.95
20023558	NextSeq 550 Dx OQ Coverage AddOn	30,680.00	29,146.00
20020031	MiSeq Dx ChnlPtnr POSP-EMEA/LATAM	8,035.00	7,633.25
20020625	BSSH unlimited Strg+Comp - HiSeq 3000	25,000.00	23,750.00
20020626	BSSH unlimited Strg+Comp - HiSeq 4000	50,000.00	47,500.00
20020627	BSSH unlimited Strg+Comp - HiSeq X	50,000.00	47,500.00
20020628	BSSH unlimited Strg+Comp - NovaSeq 6000	140,000.00	133,000.00



Catalog #	Product Description	List Price (USD)	Customer Price (USD)
20020033	NextSeq 550 ChnlPtnr POSP-EMEA/LATAM	17,680.00	16,796.00
20020032	NextSeq 500 ChnlPtnr POSP-EMEA/LATAM	16,075.00	15,271.25
20021549	BSSH Edico DRAGEN DNA Pipeline iCredit	1.00	0.95
20021652	BSSH Bacterial Analys. Pipeline iCredit	1.00	0.95
20021653	BSSH E. Coli Serotyping iCredit	1.00	0.95
20024458	MiniSeq Reagent Repl. Add-On	2,040.00	1,938.00
20024457	iScan Reagent Repl. Add-On	8,580.00	8,151.00
20024455	HiSeq X Reagent Repl. Add-On	26,070.00	24,766.50
20024454	HiSeq 4000 Reagent Repl. Add-On	25,493.00	24,218.35
20024453	HiSeq 3000 Reagent Repl. Add-On	26,620.00	25,289.00
20024452	HiSeq 2500 Reagent Repl. Add-On	25,410.00	24,139.50
20024451	HiSeq 2000 Reagent Repl. Add-On	23,238.00	22,076.10
20024450	HiSeq 1500 Reagent Repl. Add-On	24,200.00	22,990.00
20020573	HiSeq 3000 ChnlPtnr Support Plan-EMEA	76,120.00	72,314.00
20020574	HiSeq 4000 ChnlPtnr Support Plan-EMEA	86,680.00	82,346.00
20020575	HiSeq X Five ChnlPtnr Support Plan-EMEA	95,178.00	90,419.10
20020577	iScan ChnlPtnr Support Plan-EMEA	19,725.00	18,738.75
20024389	HiSeq 1000 Reagent Repl. Add-On	23,595.00	22,415.25
20024388	HiScanSQ Reagent Repl. Add-On	15,900.00	15,105.00
20024387	HiScan Reagent Repl. Add-On	9,775.00	9,286.25
20024384	cBot2 Reagent Repl. Add-On	2,505.00	2,379.75
20024383	cBot Reagent Repl. Add-On	2,706.00	2,570.70
20024382	Autoloader 2 Reagent Repl. Add-On	2,315.00	2,199.25
20024381	Autoloader Reagent Repl. Add-On	2,200.00	2,090.00
20020024	HiSeq 4000 ChnlPtnr POSP-EMEA/LATAM	61,765.00	58,676.75
20020578	MiniSeq ChnlPtnr Support Plan-EMEA	4,500.00	4,275.00
20020579	MiSeq ChnlPtnr Support Plan-EMEA	9,050.00	8,597.50
20020580	MiSeq FGx ChnlPtnr Support Plan-EMEA	11,390.00	10,820.50
20024041	iSeq 100 Warr Upgrade: Ad. Exch. Silver	3,120.00	2,964.00
20020581	MiSeq Dx ChnlPtnr Support Plan-EMEA	11,390.00	10,820.50
20020582	NextSeq 500 ChnlPtnr Support Plan-EMEA	21,975.00	20,876.25
20020583	NextSeq 550 ChnlPtnr Support Plan-EMEA	24,155.00	22,947.25
20020071	HiSeq X Five ChnlPtnr Support Plan-APAC	101,970.00	96,871.50
20020043	HiSeq 1500 ChnlPtnr POSP-APAC	51,205.00	48,644.75
20020042	HiSeq 1000 ChnlPtnr POSP-APAC	47,933.00	45,536.35

Catalog #	Product Description	List Price (USD)	Customer Price (USD)
20020039	cBot2 ChnlPtnr POSP-APAC	4,090.00	3,885.50
20020038	cBot ChnlPtnr POSP-APAC	4,356.00	4,138.20
20020005	MiniSeq Gold Support Plan	9,100.00	8,645.00
20020073	iScan ChnlPtnr Support Plan-APAC	23,475.00	22,301.25
20020037	Autoloader 2 ChnlPtnr POSP-APAC	6,110.00	5,804.50
20020007	MiSeq FGx Gold Support Plan	25,725.00	24,438.75
20020008	MiSeq Dx Gold Support Plan	25,750.00	24,462.50
20020074	MiniSeq ChnlPtnr Support Plan-APAC	4,890.00	4,645.50
20020075	MiSeq ChnlPtnr Support Plan-APAC	9,545.00	9,067.75
20020076	MiSeq FGx ChnlPtnr Support Plan-APAC	12,064.00	11,460.80
20020009	NextSeq 500 Gold Support Plan	49,825.00	47,333.75
20020077	MiSeq Dx ChnlPtnr Support Plan-APAC	12,075.00	11,471.25
20020010	NextSeq 550 Gold Support Plan	54,650.00	51,917.50
20020011	NovaSeq 6000 Gold Support Plan	159,375.00	151,406.25
20020036	Autoloader ChnlPtnr POSP-APAC	5,980.00	5,681.00
20020013	Autoloader ChnlPtnr POSP-EMEA/LATAM	6,400.00	6,080.00
20020014	Autoloader2 ChnlPtnr POSP-EMEA/LATAM	6,110.00	5,804.50
20020015	cBot ChnlPtnr POSP-EMEA/LATAM	4,356.00	4,138.20
20020016	cBot2 ChnlPtnr POSP-EMEA/LATAM	4,070.00	3,866.50
20020078	NextSeq 500 ChnlPtnr Support Plan-APAC	24,125.00	22,918.75
20020044	HiSeq 2000 ChnlPtnr POSP-APAC	56,100.00	53,295.00
20020050	iScan ChnlPtnr POSP-APAC	14,800.00	14,060.00
20020051	MiniSeq ChnlPtnr POSP-APAC	3,200.00	3,040.00
20020048	HiSeq X Five ChnlPtnr POSP-APAC	81,565.00	77,486.75
20020052	MiSeq ChnlPtnr POSP-APAC	6,375.00	6,056.25
20020053	MiSeq FGx ChnlPtnr POSP-APAC	8,035.00	7,633.25
20020047	HiSeq 4000 ChnlPtnr POSP-APAC	61,765.00	58,676.75
20020054	MiSeq Dx ChnlPtnr POSP-APAC	8,035.00	7,633.25
20020046	HiSeq 3000 ChnlPtnr POSP-APAC	64,130.00	60,923.50
20020055	NextSeq 500 ChnlPtnr POSP-APAC	16,075.00	15,271.25
20020045	HiSeq 2500 ChnlPtnr POSP-APAC	61,903.00	58,807.85
20020056	NextSeq 550 ChnlPtnr POSP-APAC	17,680.00	16,796.00
20020006	MiSeq Gold Support Plan	20,375.00	19,356.25
20020057	NovaSeq 6000 ChnlPtnr POSP-APAC	63,325.00	60,158.75
20020059	Autoloader ChnlPtnr Support Plan-APAC	5,905.00	5,609.75

Catalog #	Product Description	List Price (USD)	Customer Price (USD)
20020060	Autoloader2 ChnlPtnr Support Plan-APAC	9,155.00	8,697.25
20020061	cBot ChnlPtnr Support Plan-APAC	6,534.00	6,207.30
20020062	cBot2 ChnlPtnr Support Plan-APAC	6,135.00	5,828.25
20020065	HiSeq 1000 ChnlPtnr Support Plan-APAC	73,535.00	69,858.25
20020066	HiSeq 1500 ChnlPtnr Support Plan-APAC	67,183.00	63,823.85
20020067	HiSeq 2000 ChnlPtnr Support Plan-APAC	86,378.00	82,059.10
20020068	HiSeq 2500 ChnlPtnr Support Plan-APAC	75,130.00	71,373.50
20020069	HiSeq 3000 ChnlPtnr Support Plan-APAC	80,575.00	76,546.25
20020070	HiSeq 4000 ChnlPtnr Support Plan-APAC	91,795.00	87,205.25
20020079	NextSeq 550 ChnlPtnr Support Plan-APAC	26,525.00	25,198.75
20020109	MiSeq Warranty Upgrade: SSP	4,290.00	4,075.50
20020108	MiniSeq Warranty Upgrade: SSP	2,135.00	2,028.25
20020107	iScan Warranty Upgrade: SSP	9,855.00	9,362.25
20020084	Autoloader2 Warranty Upgrade: SSP	4,085.00	3,880.75
20020105	HiSeq X Five Warranty Upgrade: SSP	22,990.00	21,840.50
20020104	HiSeq 4000 Warranty Upgrade: SSP	22,550.00	21,422.50
20020103	HiSeq 3000 Warranty Upgrade: SSP	26,895.00	25,550.25
20020080	NovaSeq 6000 ChnlPtnr Support Plan-APAC	95,000.00	90,250.00
20020110	MiSeq FGx Warranty Upgrade: SSP	5,360.00	5,092.00
20024928	NextSeqDx POSP	19,250.00	18,287.50
20020111	MiSeq Dx Warranty Upgrade: SSP	5,360.00	5,092.00
20020112	NextSeq 500 Warranty Upgrade: SSP	9,390.00	8,920.50
20024949	NextSeqDx ChnlPtnr POSP-EMEA/LATAM	19,250.00	18,287.50
20024960	NextSeqDx ChnlPtnr POSP-APAC	19,250.00	18,287.50
20020034	NovaSeq 6000 ChnlPtnr POSP-EMEA/LATAM	63,325.00	60,158.75
20020114	NovaSeq 6000 Warranty Upgrade: SSP	25,725.00	24,438.75
20020113	NextSeq 550 Warranty Upgrade: SSP	10,325.00	9,808.75
20020086	cBot2 Warranty Upgrade: SSP	2,725.00	2,588.75
20024961	NextSeqDx ChnlPtnr Support Plan-EMEA	26,312.00	24,996.40
20024962	NextSeqDx ChnlPtnr Support Plan-APAC	28,825.00	27,383.75
20024963	NextSeqDx Warranty Upgrade: SSP	12,850.00	12,207.50
20020085	cBot Warranty Upgrade: SSP	2,904.00	2,758.80
20024964	NextSeqDx Warranty Upgrade: GSP	32,050.00	30,447.50
<b>Infinium consumables</b>			
20001093	INFMulti-EthnicAMR/AFR-8 v1 Kit 384samp	41,856.00	39,763.20

Catalog #	Product Description	List Price (USD)	Customer Price (USD)
20001092	INFMulti-EthnicAMR/AFR-8 v1 Kit 96samp	10,464.00	9,940.80
20001091	INFMulti-EthnicAMR/AFR-8 v1 Kit 48samp	5,232.00	4,970.40
20001090	INFMulti-EthnicAMR/AFR-8 v1 Kit 16samp	1,744.00	1,656.80
20021670	Inf HTSE GSA-24 v1.0 (4,608 Spl)	225,792.00	214,502.40
20021671	Inf HTSE GSA-24 v1.0 (23,040 Spl)	1,128,960.00	1,072,512.00
20001103	INF Mlti-Eth EUR/EAS/SAS-8 v1 Kit384samp	41,856.00	39,763.20
20001102	INF Mlti-Eth EUR/EAS/SAS-8 v1 Kit 96samp	10,464.00	9,940.80
20001101	INF Mlti-Eth EUR/EAS/SAS-8 v1 Kit 48samp	5,232.00	4,970.40
20001100	INF Mlti-Eth EUR/EAS/SAS-8 v1 Kit 16samp	1,744.00	1,656.80
WG-451-2001	BovineLD v2.0 DNA ANALYS Kit(48 SMP)	1,200.00	1,140.00
WG-451-2002	BovineLD v2.0 DNA ANALYS Kit(288 SMP)	7,200.00	6,840.00
WG-451-2003	BovineLD v2.0 DNA ANALYS Kit(1152 SMP)	28,800.00	27,360.00
WG-357-1003	INF ImmunoArray-24 v2 BDCHP Kit 1152 SMP	53,879.00	51,185.05
WG-357-1002	INF ImmunoArray-24 v2 BDCHP Kit 288 SMP	13,470.00	12,796.50
WG-455-1001	MaizeLD DNA Analysis Kit (48 samples)	1,056.00	1,003.20
WG-455-1002	MaizeLD DNA Analysis Kit (288samples)	6,336.00	6,019.20
WG-455-1003	MaizeLD DNA Analysis Kit (1152samples)	25,344.00	24,076.80
WG-357-1001	INF ImmunoArray-24 v2 BDCHP Kit 48 SMP	2,245.00	2,132.75
WG-317-1003	Infinium® Methylation EPIC 96samples	24,960.00	23,712.00
WG-317-1002	Infinium® Methylation EPIC 32samples	8,320.00	7,904.00
WG-317-1001	Infinium® Methylation EPIC 16Sample	4,576.00	4,347.20
WG-355-1002	OncoArray-500K v1.0 DNA ANALYS Kt 288 SMP	20,323.00	19,306.85
WG-355-1001	OncoArray-500K v1.0 DNA ANALYS Kit 48 SMP	3,387.00	3,217.65
20000768	Inf BovineSNP50-24 v3.0 Kit (1152 smp)	57,600.00	54,720.00
20000767	Inf BovineSNP50-24 v3.0 Kit (288 smp)	14,400.00	13,680.00
20000766	Inf BovineSNP50-24 v3.0 Kit (48 smp)	2,400.00	2,280.00
WG-316-1001	INF Multi-Ethnic Global-8 v1 Kit 16samp	1,904.00	1,808.80
WG-316-1002	INF Multi-Ethnic Global-8 v1 Kit 48samp	5,712.00	5,426.40
WG-316-1003	INF Multi-Ethnic Global-8 v1 Kit 96samp	11,424.00	10,852.80
WG-316-1004	INF Multi-Ethnic Global-8 v1 Kit 384samp	45,696.00	43,411.20
20024568	INF Core-24 v1.2 Kit (1152 spl)	61,804.00	58,713.80
20016317	Infinium ASA-24 v1.0 Kit (48 samples)	2,352.00	2,234.40
20016318	Infinium ASA-24 v1.0 Kit (288 samples)	14,112.00	13,406.40
20016319	Infinium ASA-24 v1.0 Kit (1152 samples)	56,448.00	53,625.60
20024631	INF OmniExpress-24 v1.3 (48 spl)	4,912.00	4,666.40

Catalog #	Product Description	List Price (USD)	Customer Price (USD)
20024632	INF OmniExpress-24 v1.3 Kit (288 spl)	29,473.00	27,999.35
20024633	INF OmniExpress-24 v1.3 Kit (1152 spl)	117,894.00	111,999.30
20024662	INF CoreExome-24 v1.3 Kit (48 spl)	2,838.00	2,696.10
20024663	INF CoreExome-24 v1.3 Kit (288 spl)	17,028.00	16,176.60
WG-321-1001	INFINIUM,HD FFPE QC KIT	99.00	94.05
WG-321-1004	Kt,HMNCYTSNP_FFPE-12 v2.1DNA ANLY 48SMP	6,960.00	6,612.00
WG-321-1003	Kt,HMNCYTSNP_FFPE-12 v2.1DNA ANLY 24SMP	3,720.00	3,534.00
20024664	INF CoreExome-24 v1.3 Kit (1152 spl)	68,111.00	64,705.45
20024676	INF OmniExpressExome-8 v1.6 Kit (16 spl)	1,898.00	1,803.10
20024677	INF OmniExpressExome-8 v1.6 Kit (48 spl)	5,696.00	5,411.20
20024678	INF OmniExpressExome-8 v1.6 Kit (96 spl)	11,392.00	10,822.40
20024679	INF OmniExpressExome-8 v1.6 Kit(384 spl)	45,569.00	43,290.55
20024684	INF OmniZhonghua-8 v1.4 Kit (16 spl)	1,942.00	1,844.90
20024685	INF OmniZhonghua-8 v1.4 Kit (48 spl)	5,825.00	5,533.75
20024686	INF OmniZhonghua-8 v1.4 Kit (96 spl)	11,649.00	11,066.55
20024687	INF OmniZhonghua-8 v1.4 Kit (384 spl)	46,596.00	44,266.20
20024692	INF PsychArray-24 v1.3 Kit (48 spl)	3,426.00	3,254.70
20024693	INF PsychArray-24 v1.3 Kit (288 spl)	20,555.00	19,527.25
20024694	INF PsychArray-24 v1.3 Kit (1152 spl)	82,217.00	78,106.15
SC-30-403	INF AUTOMATIONLIMS-READY 110V	135,000.00	128,250.00
20024567	INF Core-24 v1.2 Kit (288 spl)	15,451.00	14,678.45
WG-410-2003	INF® PRCNSNP60 v2.0 BDCHP Kit 1152 SMP)	57,600.00	54,720.00
20024446	Infinium GSA-24 v2.0 Kit (1152 Spl)	56,448.00	53,625.60
20013012	Inf ShrimpLD-24 v1.0 Kit (48 smp)	1,536.00	1,459.20
20013013	Inf ShrimpLD-24 v1.0 Kit (288 smp)	9,216.00	8,755.20
20013014	Inf ShrimpLD-24 v1.0 Kit (1152 smp)	36,864.00	35,020.80
WG-410-2002	INF® PRCNSNP60 v2.0 BDCHP Kit 288 SMP)	14,400.00	13,680.00
20013916	Infinium XT XStain-only reagents	13,521.00	12,844.95
WG-410-2001	INF® PorcineSNP60 v2.0 BDCHP Kit 48 SMP)	2,400.00	2,280.00
20024540	Infinium HTSE GSA-24 v2.0 (4,608 Spl)	225,792.00	214,502.40
20015246	Infinium Exome-24 v1.1 Kit (48 smp)	2,477.00	2,353.15
20015247	Infinium Exome-24 v1.1 Kit (288 smp)	14,862.00	14,118.90
20015248	Infinium Exome-24 v1.1 Kit (1152 smp)	59,450.00	56,477.50
20024541	Infinium HTSE GSA-24 v2.0 (23,040 Spl)	1,128,960.00	1,072,512.00
20015526	Infinium XT ST Upgrade Kit (12 batches)	10,591.00	10,061.45

Catalog #	Product Description	List Price (USD)	Customer Price (USD)
20015527	Inf XT ST Workflow Training Reagent Only	1,405.00	1,334.75
WG-100-1002	KIT,SPACER,INFINIUM LCG,BX OF500	525.00	498.75
WG-100-1001	KIT,INFINIUM TEFLOW CHAMBER LCG	2,500.00	2,375.00
WG-321-1002	INFINIUM,HD FFPE RESTORE KIT,24 SAMPLES	1,896.00	1,801.20
20024566	INF Core-24 v1.2 Kit (48 spl)	2,575.00	2,446.25
SC-30-401	INF AUTOMATIONFOR BEADSTN 110V	110,000.00	104,500.00
WG-450-1003	KIT BovineHD DNA ANLYS BeadChip, 96 SMP	9,600.00	9,120.00
WG-450-1002	KIT BovineHD DNA ANLYS BeadChip, 48 SMP	4,800.00	4,560.00
WG-10-203	INF CHAMBER SPACERS 500 DISP SPACERS	518.00	492.10
20034151	Infinium HTSE GSA-24 v3.0(23,040 Spl)	1,128,960.00	1,072,512.00
20034150	Infinium HTSE GSA-24 v3.0(4,608 Spl)	225,792.00	214,502.40
WG-500-1003	MaizeSNP50 DNA ANLYS BDCP 24x1, 1152 SMP	57,600.00	54,720.00
20031993	Infin XT Starter Kit (48 Beadchip) 220V	168,353.00	159,935.35
20031992	Infin XT Starter Kit (24 Beadchip) 220V	126,630.00	120,298.50
20031916	Infin XT Starter Kit (48 Beadchip) 110V	168,353.00	159,935.35
20031915	Infin XT Starter Kit (24 Beadchip) 110V	126,630.00	120,298.50
WG-500-1002	MaizeSNP50 DNA ANLYS BDCHP 24x1, 288 SMP	14,400.00	13,680.00
20030770	INF GSA-24 v3.0 Kit (48 Spl)	2,352.00	2,234.40
20030771	INF GSA-24 v3.0 Kit (288 Spl)	14,112.00	13,406.40
20030772	INF GSA-24 v3.0 Kit (1152 Spl)	56,448.00	53,625.60
WG-500-1001	MaizeSNP50 DNA ANLYS BDCHP 24x1, 48 SMP	2,400.00	2,280.00
SC-30-402	INF AUTOMATIONFOR BEADSTN 220V	110,000.00	104,500.00
WG-15-120	INF STARTER TO STD THRU UPG PKAGE 220V	25,000.00	23,750.00
WG-15-306	INF OPTION STD THROUGHPUT PKAGE 110V	78,000.00	74,100.00
WG-15-307	INF OPTION STD THROUGHPUT PKAGE 220V	78,000.00	74,100.00
20025643	INF CytoSNP-850K v1.2 BDCHP Kit (8 Spl)	2,000.00	1,900.00
20025644	INF CytoSNP-850K v1.2 BDCHP Kit (16 spl)	4,000.00	3,800.00
20025645	INF CytoSNP-850K v1.2 BDCHP Kit (48 spl)	12,000.00	11,400.00
20025646	INF CytoSNP-850K v1.2 BDCHP Kit (96 spl)	24,000.00	22,800.00
WG-15-308	INFINIUM OPTION HIGH THROUGHPUT PKG 110V	116,000.00	110,200.00
WG-15-309	INFINIUM OPTION HIGH THROUGHPUT PKG 220V	116,000.00	110,200.00
WG-450-1004	KIT BovineHD DNA ANLYS BeadChip, 384 SMP	38,400.00	36,480.00
WG-15-304	INFINIUM OPTION STARTER PKG 110V	60,000.00	57,000.00
WG-440-1002	CanineHD DNA Analysis BeadChip(288)	24,480.00	23,256.00
WG-440-1001	CanineHD DNA Analysis BeadChip(48)	4,080.00	3,876.00

Catalog #	Product Description	List Price (USD)	Customer Price (USD)
WG-320-2101	HMNCytoSNP-12 v2.1 DNA Analysis Kit(12)	1,860.00	1,767.00
WG-320-2102	HMNCytoSNP-12 v2.1 DNA Analysis Kit(24)	3,720.00	3,534.00
20037370	Infinium Omni2.5Exome-8 v1.5 Kit(384 Spl)	72,878.00	69,234.10
20037369	Infinium Omni2.5Exome-8 v1.5 Kit(96 Spl)	18,220.00	17,309.00
20037368	Infinium Omni2.5Exome-8 v1.5 Kit(48 Spl)	9,109.00	8,653.55
20037367	Infinium Omni2.5Exome-8 v1.5 Kit(16 Spl)	3,036.00	2,884.20
20037366	Infinium Omni2.5-8 v1.5 Kit (384 Spl)	70,819.00	67,278.05
20037365	Infinium Omni2.5-8 v1.5 Kit (96 Spl)	17,705.00	16,819.75
20037364	Infinium Omni2.5-8 v1.5 Kit (48 Spl)	8,852.00	8,409.40
20037363	Infinium Omni2.5-8 v1.5 Kit (16 Spl)	2,951.00	2,803.45
WG-320-2103	HMNCytoSNP-12 v2.1 DNA Analysis Kit(48)	6,960.00	6,612.00
WG-320-2104	HMNCytoSNP-12 v2.1 DNA Analysis Kit(288)	41,760.00	39,672.00
WG-320-2105	HMNCytoSNP-12 v2.1 DNA ANALYS Kit(1152)	167,040.00	158,688.00
20011102	Inf XT Tip Guide Set	581.00	551.95
20011101	Inf XT Upgrade Kit (24 BeadChip batches)	27,531.00	26,154.45
20007420	Infinium XT Assay PB20 Kit	553.00	525.35
20005153	Inf Omni5-4 v1.2 Kit (384 smp)	115,751.00	109,963.45
20005152	Inf Omni5-4 v1.2 Kit (96 smp)	28,938.00	27,491.10
20005151	Inf Omni5-4 v1.2 Kit (48 smp)	14,468.00	13,744.60
20005150	Inf Omni5-4 v1.2 Kit (16 smp)	4,822.00	4,580.90
20005143	Inf Omni5Exome-4 v1.3 Kit (384 smp)	117,871.00	111,977.45
20005142	Inf Omni5Exome-4 v1.3 Kit (96 smp)	29,468.00	27,994.60
20005141	Inf Omni5Exome-4 v1.3 Kit (48 smp)	14,734.00	13,997.30
20005140	Inf Omni5Exome-4 v1.3 Kit (16 smp)	4,911.00	4,665.45
20005134	Inf Global Screen-24 v1.0 Kit (1152 smp)	56,448.00	53,625.60
20005133	Inf Global Screen-24 v1.0 Kit (288 smp)	14,112.00	13,406.40
20005132	Inf Global Screen-24 v1.0 Kit (48 smp)	2,352.00	2,234.40
20021675	Inf HTSE ASA-24 v1.0 (23,040 Spl)	1,128,960.00	1,072,512.00
20021674	Inf HTSE ASA-24 v1.0 (4,608 Spl)	225,792.00	214,502.40
20004349	Inf QC Array-24 v1.0 1152 smp	28,800.00	27,360.00
20004348	Inf QC Array-24 v1.0 288 smp	7,200.00	6,840.00
20004347	Inf QC Array-24 v1.0 48 smp	1,200.00	1,140.00
20024444	Infinium GSA-24 v2.0 Kit (48 Spl)	2,352.00	2,234.40
20024445	Infinium GSA-24 v2.0 Kit (288 Spl)	14,112.00	13,406.40
<b>MiniSeq Sequencing Consumables</b>			

Catalog #	Product Description	List Price (USD)	Customer Price (USD)
20005614	TruSeq Small RNA Set B MiniSeq Kit	3,296.00	3,131.20
20005615	TruSeq Small RNA Set C MiniSeq Kit	3,296.00	3,131.20
20005616	TruSeq Small RNA Set D MiniSeq Kit	3,296.00	3,131.20
FC-420-1001	MiniSeq High Output Kit (75 cycles)	901.00	855.95
FC-420-1002	MiniSeq High Output Kit (150 cycles)	1,056.00	1,003.20
20005613	TruSeq Small RNA Set A MiniSeq Kit	3,296.00	3,131.20
20005612	TruSight Cancer MiniSeq Kit	10,880.00	10,336.00
20005611	TruSight RNA Pan-Cancer SetA MiniSeq Kit	12,855.00	12,212.25
20005610	TruSight Tumor 15 MiniSeq Kit	5,440.00	5,168.00
FC-420-1003	MiniSeq High Output Kit (300 cycles)	1,689.00	1,604.55
FC-420-1004	MiniSeq Mid Output Kit (300 cycles)	603.00	572.85
<b>MiSeq Sequencing Consumables</b>			
MS-102-3001	MiSeq® Reagent Kit v3 (150 cycle)	989.00	939.55
MS-102-3003	MiSeq® Reagent Kit v3 (600 cycle)	1,674.00	1,590.30
MS-102-2021	MiSeq® RGT Kit v2 (50 cycle) - 20 PK	16,866.00	16,022.70
MS-102-2022	MiSeq® RGT Kit v2 (300 cycle)-20 PK	21,748.00	20,660.60
DX-102-1001	MiSEQDx CF Clinical SEQ Assay (6 Run)"	9,504.00	9,028.80
DX-102-1004	MiSeqDx CF 139 Variant Assay (2 Run)"	5,760.00	5,472.00
MS-103-1003	MiSeq® Reagent Nano Kit v2 (500 Cycles)	381.00	361.95
MS-102-2003	MiSeq® Reagent Kit v2 (500 cycle)	1,282.00	1,217.90
MS-102-2002	MiSeq® Reagent Kit v2 (300 cycle)	1,143.00	1,085.85
MS-102-2001	MiSeq® Reagent Kit v2 (50 cycle)	891.00	846.45
MS-102-2023	MSQ® RGT KT v2 (500 CYC)-20 PK	24,081.00	22,876.95
MS-103-1002	MiSeq® Reagent Micro Kit v2 (300 Cycles)	479.00	455.05
MS-103-1001	MiSeq® Reagent Nano Kit v2 (300 Cycles)	319.00	303.05
20021681	MiSeq FGx Reagent Micro Kit	600.00	570.00
<b>NextSeq 500/550 Consumables</b>			
20022240	NextSeq Air Filter	85.00	80.75
20024908	NSQ 500/550 Hi Output KT v2.5 (300 CYS)	4,965.00	4,716.75
20024907	NSQ 500/550 Hi Output KT v2.5 (150 CYS)	3,100.00	2,945.00
20024906	NSQ 500/550 Hi Output KT v2.5 (75 CYS)	1,617.00	1,536.15
20024905	NSQ 500/550 Mid Output KT v2.5 (300 CYS)	1,900.00	1,805.00
20024904	NSQ 500/550 Mid Output KT v2.5 (150 CYS)	1,179.00	1,120.05
20028871	NextSeq 550Dx HO Rgt Kit v2.5 (300 cyc)	6,211.00	5,900.45
20028870	NextSeq 550Dx HO Rgt Kit v2.5 (75 cyc)	2,150.00	2,042.50



Catalog #	Product Description	List Price (USD)	Customer Price (USD)
<b>NovaSeq 5000/6000 Sequencing Cons</b>			
20012862	NovaSeq 5000/6000 S2 Rgt Kit (100 cyc)	9,500.00	9,025.00
20021663	NovaSeq Xp Flow Cell Dock	2,000.00	1,900.00
20012863	NovaSeq 5000/6000 S1 Rgt Kit (300 cyc)	6,600.00	6,270.00
20029137	NovaSeq 6000 SP Reagent Kit (500 cycles)	5,500.00	5,225.00
20021667	NovaSeq Xp 4-Lane Manifold Pack	695.00	660.25
20012861	NovaSeq 5000/6000 S2 Rgt Kit (200 cyc)	13,000.00	12,350.00
20012860	NovaSeq 5000/6000 S2 Rgt Kit (300 cyc)	15,250.00	14,487.50
20012866	NovaSeq 6000 S4 Rgt Kit (300 cyc)	31,700.00	30,115.00
20012865	NovaSeq 5000/6000 S1 Rgt Kit (100 cyc)	4,100.00	3,895.00
20027466	NovaSeq 6000 S4 Reagent Kit (200 cycles)	27,500.00	26,125.00
20027465	NovaSeq 6000 SP Reagent Kit (300 cycles)	3,850.00	3,657.50
20027464	NovaSeq 6000 SP Reagent Kit (100 cycles)	2,250.00	2,137.50
20021666	NovaSeq Xp 2-Lane Manifold Pack	695.00	660.25
20012864	NovaSeq 5000/6000 S1 Rgt Kit (200 cyc)	5,500.00	5,225.00
20014015	NovaSeq Lib. Tbs Accessory Pk (24 tbs)	1,500.00	1,425.00
20021665	NovaSeq Xp 4-Lane Kit	999.00	949.05
20021664	NovaSeq Xp 2-Lane Kit	299.00	284.05
<b>HiSeq 3000-4000 Sequencing Consumables</b>			
GD-410-1001	HiSeq® 3000/4000 SR Cluster Kit	4,550.00	4,322.50
PE-410-1001	HiSeq® 3000/4000 PE Cluster Kit	7,015.00	6,664.25
FC-410-1003	HiSeq® 3000/4000 SBS Kit (300cycles)	11,465.00	10,891.75
FC-410-1002	HiSeq® 3000/4000 SBS Kit (150cycles)	6,120.00	5,814.00
FC-410-1001	HiSeq® 3000/4000 SBS Kit (50 cycles)	2,625.00	2,493.75
<b>Sample Preparation Consumables</b>			
FC-121-0202	TruSight™ Cancer Sequencing Panel	515.00	489.25
FC-121-0205	TruSight Inherited Disease SEQ Panel"	500.00	475.00
FC-130-1010	TruSight™ Myeloid Sequencing Panel	9,900.00	9,405.00
RT-402-1002	TruSeq® Trgtd RNA IDX KtB, 96 IDX 384 SMP	1,050.00	997.50
FC-141-1006	TruSight One SEQ Panel(9 SMPles)	4,200.00	3,990.00
RS-200-0024	TruSeq® Small RNA SMP PrepKit v2 set B	2,524.00	2,397.80
RS-200-0036	TruSeq® Small RNA SMP PrepKit v2 set C	2,524.00	2,397.80
RS-200-0048	TruSeq® Small RNA SMP PrepKit v2 set D	2,524.00	2,397.80
RS-200-1001	TruSeq™ RNA EPH Reagent Tube	310.00	294.50
AB0001	FusionPlex® Alk Ret Ros1 v2	1,590.00	1,510.50

Catalog #	Product Description	List Price (USD)	Customer Price (USD)
FC-140-1101	TruSite RPD CPTR KT (1INX 8 SMP)	1,930.00	1,833.50
AB0003	FusionPlex® Sarcoma, for Illumina®	2,390.00	2,270.50
AB0005	FusionPlex® Solid Tumor, for Illumina®	2,720.00	2,584.00
FC-140-1102	TruSite RPD CPTR KT (2INX 8 SMP)	1,640.00	1,558.00
FC-131-1024	NXTR® XT DNA SMP Prep Kit (24 SMP)	886.00	841.70
AB0019	FusionPlex® Lymphoma, for Illumina®	2,400.00	2,280.00
AB0007	FusionPlex® CTL, for Illumina®	2,590.00	2,460.50
SA0045	MBC Adapters A41-A48 for Illumina®	80.00	76.00
SA0044	MBC Adapters A33-A40 for Illumina®	80.00	76.00
SA0043	MBC Adapters A25-A32 for Illumina®	80.00	76.00
SA0042	MBC Adapters A17-A24 for Illumina®	80.00	76.00
SA0041	MBC Adapters A9-A16 for Illumina®	80.00	76.00
SA0040	Archer® MBC Adapters A1-A8 for Illumina®	80.00	76.00
AB0009	FusionPlex® Oncology Research	3,120.00	2,964.00
AB0011	FusionPlex® Heme v2, for Illumina®	2,600.00	2,470.00
AB0013	FusionPlex® ALL, for Illumina®	2,400.00	2,280.00
AB0015	FusionPlex® Myeloid, for Illumina®	2,400.00	2,280.00
AB0017	FusionPlex® Pan-Heme, for Illumina®	3,120.00	2,964.00
RS-122-2001	Kit, TruSeq RNA SMP Prep Kit-v2, 48,SetA	3,996.00	3,796.20
RT-402-1003	TruSeq® Trgtd RNA IDX KtC, 96 IDX 384 SMP	1,050.00	997.50
RT-402-1004	TruSeq® Trgtd RNA IDX KtD, 96 IDX 384 SMP	1,050.00	997.50
RS-122-2002	Kit, TruSeq RNA SMPLe Prep Kit-v2	3,996.00	3,796.20
FC-141-1011	TrSt-Crd-Sq-Kt(NSQ®,48 spls,Mid OTP)	9,600.00	9,120.00
FC-141-1010	TrSt-Crd-Sq-Kt(MSQ®,12 spls,v2 Ch)	2,400.00	2,280.00
IP-202-1012	TruSeq® ChIP SMP Prep Kit 48 SMP-Set A	2,866.00	2,722.70
IP-202-1024	TruSeq® ChIP SMP Prep Kit 48 SMP-Set B	2,866.00	2,722.70
FC-130-1003	TruSeq® CTM AMPLCN IDXKit 96 IDX,384 SMP	970.00	921.50
RT-401-1001	TruSeq® Trgtd RNA IDX Kt, 48 IDX 192 SMP	719.00	683.05
FC-130-1007	TruSeq® IDX PLT Fixture&Collar Kt 2 Each	180.00	171.00
FC-132-1001	Nextera® Mate Pair Sample PrepKit	4,162.00	3,953.90
RT-402-1001	TruSeq® Trgtd RNA IDX KtA, 96 IDX 384 SMP	1,050.00	997.50
FC-140-1106	TruSite RPD CPTR KT (96 INX 288 SMP)	27,190.00	25,830.50
FC-140-1105	TruSite RPD CPTR KT (24 INX 96 SMP)	9,900.00	9,405.00
FC-140-1104	TruSite RPD CPTR KT (24 INX 48 SMP)	7,370.00	7,001.50
FC-140-1103	TruSite RPD CPTR KT (4INX 16 SMP)	2,950.00	2,802.50

Catalog #	Product Description	List Price (USD)	Customer Price (USD)
FC-131-1001	NXTR® XT IDX Kit (24 IDXS, 96 SMP)	266.00	252.70
FC-131-1096	NXTR® XT DNA SMP Prep Kit (96 SMP)	3,368.00	3,199.60
FC-130-1005	TruSeq® Index Plate Fixture Kit	155.00	147.25
FC-141-1007	TruSight One SEQ Panel(36 SMPles)"	6,000.00	5,700.00
FC-130-1006	TruSeq CSTM Amplicon FLTRPlate 1 Plate)"	51.00	48.45
RS-200-0012	TruSeq® Small RNA SMP PrepKit v2set A	2,524.00	2,397.80
20015968	TruSight® ALL 52 (16 SMP)	2,000.00	1,900.00
20015969	TruSight® ALL 52 (96 SMP)	9,800.00	9,310.00
20015970	TruSight® Myeloma 43 (16 SMP)	2,000.00	1,900.00
20015971	TruSight® Myeloma 43 (96 SMP)	9,800.00	9,310.00
20018679	TruSeq Bovine Parentage Seq Pnl-MiniSeq	960.00	912.00
20018704	Nextera DNA Flex LPK (24 SPI)	1,038.00	986.10
20018705	Nextera DNA Flex LPK (96 SPI)	4,153.00	3,945.35
20018706	Flex Lysis reagent Kit	297.00	282.15
20018707	Nextera DNA CD Idx (24 Idx, 24 SPI)	124.00	117.80
20018708	Nextera DNA CD Idx (96 Idx, 96 SPI)	494.00	469.30
20019792	TruSeq RNA CD Idx (96 Idx, 96 Spl)	546.00	518.70
20037135	Illumina® Ribo-Zero™+ rRNA Depletion Kit	7,872.00	7,478.40
20034708	IDT FOR ILMN UMI RNA INDEX ANCHORS SET D	960.00	912.00
20034707	IDT FOR ILMN UMI RNA INDEX ANCHORS SET C	960.00	912.00
20034706	IDT FOR ILMN UMI RNA INDEX ANCHORS SET B	960.00	912.00
20034705	IDT FOR ILMN UMI RNA INDEX ANCHORS SET A	960.00	912.00
20034704	IDT FOR ILMN UMI DNA INDEX ANCHORS SET D	960.00	912.00
20034703	IDT FOR ILMN UMI DNA INDEX ANCHORS SET C	960.00	912.00
20034702	IDT FOR ILMN UMI DNA INDEX ANCHORS SET B	960.00	912.00
20034701	IDT FOR ILMN UMI DNA INDEX ANCHORS SET A	960.00	912.00
20034198	ILMN Tag DNA Enzyme & Buffer Large Kit	7,840.00	7,448.00
20034197	ILMN Tag DNA Enzyme & Buffer Small Kit	3,920.00	3,724.00
20031755	TG VeriSeq NIPT SMP Prep Kit (24 SMP)	4,800.00	4,560.00
20031178	VeriSeq™ NIPT Microlab STAR Accessories	234.00	222.30
20029551	TruSight Hereditary Cancer – oligos	595.00	565.25
20029550	TruSeq Neuro - oligos (48 spl)	576.00	547.20
20029274	TG Library Prep Partner Kit	1,607.00	1,526.65
20005718	TruSeq Custom Amplicon Kit Dx	4,120.00	3,914.00
20006259	TruSeq Custom Amplicon Dx – FFPE QC	1,005.00	954.75

Catalog #	Product Description	List Price (USD)	Customer Price (USD)
20006989	High Thrhgpt TruSeq R Enrch DNA LPK	19,491.00	18,516.45
20006994	TruSight HLA v1 Box 4 (Post-PCR)	5,000.00	4,750.00
20010179	TruSight HLA-B Primers v2 Kit	75.00	71.25
20010184	TruSight Oncology Library Prep	5,149.00	4,891.55
20010185	TruSight Oncology DNA Library Prep	4,119.00	3,913.05
20010186	TruSight Oncology RNA Library Prep	5,664.00	5,380.80
20010187	TruSight Oncology Enrichment	5,664.00	5,380.80
20010188	TruSight Tumor 170 Content Set	359.00	341.05
20010190	TruSight HLA-DRB Primers v2 Kit	75.00	71.25
20011891	Canadian Consortia Inherited Cancer	515.00	489.25
20014279	SureCell Whl Trans 3 Pr Kt (2 crtg kt )	2,500.00	2,375.00
20014280	SureCell Whl Trans 3 Pr Kt (6 crtg kt)	7,200.00	6,840.00
20015090	CRUK SMP v2 Consortia	8,364.00	7,945.80
20015091	CEU Consortia	500.00	475.00
20015949	TruSeq DNA Idx Kit PI (96 idx,96 spl)	546.00	518.70
20015960	TruSeq DNA Idx Kit Set A (12 idx,24 spl)	124.00	117.80
20015961	TruSeq DNA Idx Kit Set B (12 idx,24 spl)	124.00	117.80
20015962	TruSeq DNA PCR-Free LT LPK (24 spl)	693.00	658.35
20015963	TruSeq DNA PCR-Free HT LPK (96 spl)	2,783.00	2,643.85
20015964	TruSeq Nano DNA LT LPK (24 spl)	693.00	658.35
20015965	TruSeq Nano DNA HT LPK (96 spl)	2,783.00	2,643.85
20015966	TruSight® Lymphoma 40 (8 SMP)	1,200.00	1,140.00
20015967	TruSight® Lymphoma 40 (48 SMP)	5,150.00	4,892.50
20029229	TST Cardio - Oligos (48 Spl)	576.00	547.20
20021356	TruSeq Neuro Panel 96/288/24	15,264.00	14,500.80
20021354	TruSeq Neuro Panel 24/48/4	2,784.00	2,644.80
20020617	Nextera Exome Kit (96 Spl)	9,600.00	9,120.00
20020616	Nextera Exome Kit (24 Spl)	2,400.00	2,280.00
20020615	TruSeq Exome Kit (96 Spl)	6,720.00	6,384.00
20020614	TruSeq Exome Kit (24 Spl)	3,360.00	3,192.00
20020613	TruSeq Strnd Total RNA LP Globin(96 Spl)	10,240.00	9,728.00
20020612	TruSeq Strnd Total RNA LP Globin(48 Spl)	5,660.00	5,377.00
20020611	TruSeq Strnd Total RNA LP Plant (96 Spl)	10,240.00	9,728.00
20020610	TruSeq Strnd Total RNA LP Plant (48 Spl)	5,660.00	5,377.00
20020599	TruSeq Strnd Total RNA LP Gold (96 Spl)	10,240.00	9,728.00

Catalog #	Product Description	List Price (USD)	Customer Price (USD)
20020598	TruSeq Strnd Total RNA LP Gold (48 Spl)	5,660.00	5,377.00
20020597	TruSeq Strnd Total RNA LP HMR (96 Spl)	10,240.00	9,728.00
20020596	TruSeq Strnd Total RNA LP HMR (48 Spl)	5,660.00	5,377.00
20020595	TruSeq Stranded mRNA LP (96 Spl)	4,540.00	4,313.00
20020594	TruSeq Stranded mRNA LP (48 Spl)	2,270.00	2,156.50
20020591	IDT-TruSeq RNA UD Idx (24 Idx, 96 Spl)	672.00	638.40
20020590	IDT-TruSeq DNA UD Idx (24 Idx, 96 Spl)	672.00	638.40
20020493	TruSeq RNA Sgl Idx SetB (12 Idx,48 Spl)	247.00	234.65
20020492	TruSeq RNA Sgl Idx SetA (12 Idx,48 Spl)	247.00	234.65
20020490	TruSeq RNA Enrch (12 enrch)	2,936.00	2,789.20
20020189	TruSeq RNA LP for Enrch (48 Spl)	2,431.00	2,309.45
20020188	Nextera DNA LP for Enrch (96 Spl)	3,500.00	3,325.00
20020187	Nextera DNA LP for Enrch (24 Spl)	1,050.00	997.50
20020183	Exome Panel (45Mb)	1,720.00	1,634.00
20020182	TruSeq DNA LP for Enrch (96 Spl)	3,000.00	2,850.00
20020181	TruSeq DNA LP for Enrch (24 Spl)	900.00	855.00
20029227	TST One - Oligos (36 Spl)	1,080.00	1,026.00
20029226	TST One Expanded - Oligos (36 Spl)	1,080.00	1,026.00
20028821	TruSight Tumor 170 Kit - NextSeq v2.5	15,449.00	14,676.55
20028216	TruSight Onco 500 DNA/RNA Kt,NSQ(24 Spl)	22,999.00	21,849.05
20028215	TruSight Onco 500 DNA/RNA Kt (24 Spl)	16,999.00	16,149.05
20028214	TruSight Onco 500 DNA Kt, NSQ (48 Spl)	31,999.00	30,399.05
20028213	TruSight Onco 500 DNA Kt (48 Spl)	17,999.00	17,099.05
20027217	Nextera Compatible Unique Dual Idx - All	2,688.00	2,553.60
20027216	Nextera Compatible Unique Dual Idx - D	672.00	638.40
20027215	Nextera Compatible Unique Dual Idx - C	672.00	638.40
20027214	Nextera Compatible Unique Dual Idx - B	672.00	638.40
20027213	Nextera Compatible Unique Dual Idx - A	672.00	638.40
20025895	VeriSeq NIPT SMP Prep Kit (24 SMP)	4,800.00	4,560.00
20025524	Nextera DNA Flex LPK Enrich (96 Spl)	8,160.00	7,752.00
20025523	Nextera DNA Flex LPK Enrich (16 Spl)	3,520.00	3,344.00
20025520	Nextera DNA Flex LPK - Small (96 Spl)	4,032.00	3,830.40
20025519	Nextera DNA Flex LPK - Small (16 Spl)	768.00	729.60
20024586	TruSight Oncology UMI Reagents	11,948.00	11,350.60
20024145	ILMN Free Adptr Blkng Rgnt (48 rxns)	515.00	489.25

Catalog #	Product Description	List Price (USD)	Customer Price (USD)
20024144	ILMN Free Adptr Blkng Rgnt (12 rxns)	129.00	122.55
20023395	TruSight cfDNA UMI HiSeq 4000 Kt(48 Spl)	105,000.00	99,750.00
20023394	TruSight cfDNA UMI HiSeq 2500 Kt(48 Spl)	140,000.00	133,000.00
20022371	IDT for Illumina TruSeq RNA UD Indices	672.00	638.40
20022370	IDT for Illumina TruSeq DNA UD Indices	672.00	638.40
FC-141-2007	TruSight One Expanded Seq Panel (36 smp)	5,112.00	4,856.40
RS-303-1002	TruSight RNA Pan-Cancer Panel 48smp-SetA	7,420.00	7,049.00
RS-303-1003	TruSight RNA Pan-Cancer Panel 48smp-SetB	7,420.00	7,049.00
RS-304-1002	TruSight® RNA Fusion Panel 48SMP - Set A	6,900.00	6,555.00
RS-304-1003	TruSight® RNA Fusion Panel 48SMP - Set B	6,900.00	6,555.00
FC-151-1003	TruSeq Methyl Capture EPIC Kit (48 smp)	12,731.00	12,094.45
FC-151-1002	TruSeq Methyl Capture EPIC Kit (12 smp)	3,502.00	3,326.90
20000902	SeqLab TruSeq DNA PCR-Free LibraryPrepHT	3,000.00	2,850.00
20000903	SeqLab TruSeq Nano DNA Library Prep HT	3,000.00	2,850.00
RH-200-1002	VeriSeq NIPT SMP Prep Kit(96 SMP)	12,864.00	12,220.80
RH-200-1001	VeriSeq NIPT SMP Prep Kit(48 SMP)	6,432.00	6,110.40
OP-101-1004	TruSight Tumor 170	8,239.00	7,827.05
OP-101-1002	TruSight® Tumor 15	2,470.00	2,346.50
FC-133-1001	NXTR® XT LIB Prep KT PulseNet (96 SMP)	3,090.00	2,935.50
OP-101-1001	TruSight® Tumor 15 Kit	4,120.00	3,914.00
FC-121-9999	TruSeq® FFPE DNA Library PrepQC Kit	155.00	147.25
FC-452-1001	ForenSeq™ Human Sequencing Control	285.00	270.75
FC-142-1001	TruSight HLA Seq Panel (24 smp)	7,000.00	6,650.00
20004795	TruSeq Bovine Parentage Kit	960.00	912.00
FC-451-1001	ForenSeq™ Index Adapter Fixture	350.00	332.50
20005170	TruSight HLA v2 (24 samples Automated)	5,300.00	5,035.00
FC-131-2004	NXTR® XT IDX Kt v2 Set D 96 IDXS,384 SMP	1,051.00	998.45
FC-131-2003	NXTR® XT IDX Kt v2 Set C 96 IDXS,384 SMP	1,051.00	998.45
FC-131-2002	NXTR® XT IDX Kt v2 Set B 96 IDXS,384 SMP	1,051.00	998.45
FC-131-2001	NXTR® XT IDX Kt v2 Set A 96 IDXS,384 SMP	1,051.00	998.45
<b>SBS and Cluster Generation Sequencing Co</b>			
20006991	High Throughput HiSeq PE Cluster Kit	98,007.00	93,106.65
20006992	High Throughput HiSeq SBS Kit (150 cyc)	85,203.00	80,942.85
GD-401-4001	HiSeq® SR Cluster Kit v4 – cBot™	4,695.00	4,460.25
PE-401-4001	HiSeq® PE Cluster Kit v4 – cBot™	7,180.00	6,821.00

Catalog #	Product Description	List Price (USD)	Customer Price (USD)
GD-402-4002	HiSeq® Rapid SR Cluster Kit v2	1,080.00	1,026.00
GD-401-3001	TruSeq® SR Cluster Kit v3 – cBot™ - HS	4,700.00	4,465.00
PE-401-3001	TruSeq® PE Cluster Kit v3 – cBot™ - HS	7,180.00	6,821.00
FC-401-3001	TruSeq SBS KIT v3 - HS (200 CYCLES)	9,960.00	9,462.00
FC-401-3002	TruSeq SBS KIT v3 - HS (50 CYCLES)	2,750.00	2,612.50
PE-402-4002	HiSeq® Rapid PE Cluster Kit v2	1,660.00	1,577.00
FC-401-4002	HiSeq® SBS Kit v4 (50 Cycle)	2,750.00	2,612.50
FC-402-4022	HiSeq® Rapid SBS Kit v2 (50 cycles)	630.00	598.50
FC-402-4021	HiSeq® Rapid SBS Kit v2 (200 cycles)	2,310.00	2,194.50
FC-402-4023	HiSeq® Rapid SBS Kit v2 (500 cycles)	5,100.00	4,845.00
FC-401-4003	HiSeq® SBS Kit v4 (250 Cycle)	11,690.00	11,105.50
<b>Miscellaneous Sequencing Consumables</b>			
20015892	HT1 Buffer	115.00	109.25
MS-102-9999	MiSeq® Disposable Wash Tubes	3.00	2.85
15073345	Streck cell free DNA BCT (CE)	850.00	807.50
DX-502-1003	Index Adapter Replacement Caps	38.00	36.10
FC-800-1001	TruSeq® Nano DNA Accessory Kit	257.00	244.15
FC-110-3001	PhiX CONTROL V3 KIT	175.00	166.25
GD-304-2001	TruSeq v2 cBot Multi-PRMR Re-Hybridztn Kt	350.00	332.50
CT-403-2001	HiSeq® Rapid Duo cBot™ SampleLoading Kit	480.00	456.00
SY-401-2015	KIT,CBOT MANIFOLD,HiSEQ	95.00	90.25
GD-404-1001	HiSeq® Rapid Rehybridization Kit	320.00	304.00
FC-901-1003	KIT,BRIDGE MANIFOLD,CLUSTER STATION	101.00	95.95
GD-403-4001	HSQ® Multi-PRMR Rehybridization Kit v4	350.00	332.50
FC-121-1003	TruSEQ Dual IDX SEQ PRMR Kt, Single Read	105.00	99.75
PE-121-1003	TruSEQ Dual IDX SEQ PRMR Kit, Paired End	105.00	99.75
20005160	cBot 2 Barcoded Strip Tubes (8 well)	500.00	475.00
20012552	MiSeqDx Reagent Kit v3	2,163.00	2,054.85
FC-110-3002	NextSeq™ PhiX Control Kit	150.00	142.50
GD-310-1001	HSQ® 3k/4k cBot Multi-PRMR ReHYBRID Kit	340.00	323.00
<b>Systems and Instruments</b>			
20028879	INF HD Starter Kit (24 beadchip) 220V	60,000.00	57,000.00
20031610	VeriSeq Onsite Server v2 - RUO	50,000.00	47,500.00
SY-101-1003	Illumina Certified Pre-Owned iScan	150,000.00	142,500.00
20028878	INF HD Starter Kit (24 beadchip) 110V	60,000.00	57,000.00

Catalog #	Product Description	List Price (USD)	Customer Price (USD)
20028877	INF HTS Starter Kit (24 beadchip) 220V	60,000.00	57,000.00
20028876	INF HTS Starter Kit (24 beadchip) 110V	60,000.00	57,000.00
20028875	INF HTS Starter Kit (8 beadchip) 220V	50,000.00	47,500.00
20028874	INF HTS Starter Kit (8 beadchip) 110V	50,000.00	47,500.00
SY-420-1001	MiniSeq System	49,500.00	47,025.00
SY-415-1001	NextSeq™ 500 Sequencing System	250,000.00	237,500.00
20028873	INF HD Starter Kit (8 beadchip) 220V	50,000.00	47,500.00
20028872	INF HD Starter Kit (8 beadchip) 110V	50,000.00	47,500.00
SY-401-4001	HiSeq® 4000 Sequencing System	900,000.00	855,000.00
20028157	AutoLoader 2.x,Blue Carriers (110/220 V)	95,000.00	90,250.00
20027360	DRAGEN Bio-IT Platform	25,000.00	23,750.00
SY-411-1001	MiSeq FGx™ Sequencing System	125,000.00	118,750.00
20020824	iScan PC Upgrade	17,400.00	16,530.00
SY-401-2504	HiSeq® v4 Upgrade	15,000.00	14,250.00
SY-415-1003	NextSeq® 500 to NextSeq® 550 Upgrade	50,000.00	47,500.00
SY-401-4002	HiSeq® 3000 to HiSeq® 4000 Upgrade	175,000.00	166,250.00
SY-312-2001	cBot™ 2 Cluster Generation System	60,000.00	57,000.00
SY-415-1002	NextSeq® 550 Sequencing System	275,000.00	261,250.00
SY-101-1001	iScan System (110/220V)	230,000.00	218,500.00
WG-15-305	INFINIUM OPTION STARTER PKG 220V	60,000.00	57,000.00
20015563	Illumina LIMS High Throughput Svr Upgr	70,000.00	66,500.00
15038149	ASSY, HiSeq 2500 FACTORY UPGRADE	154,823.00	147,081.85
20005715	NextSeq 550Dx Sequencing System	347,000.00	329,650.00
20015109	NextSeq™ 500 Sequencing System	250,000.00	237,500.00
SY-410-1003	MiSeq System	99,000.00	94,050.00
SY-202-1007	KIT,UPGRADE,AUTOLOADER 2.x	25,000.00	23,750.00
20012850	NovaSeq 6000 Sequencing System	985,000.00	935,750.00
SY-202-1002	ASSY,AUTOLOADER 2.x,DUAL	95,000.00	90,250.00
20006996	ILMN Cert. Pre-Owned NextSeq 500 System	200,000.00	190,000.00
20014053	MiSeqDx System (China)	125,000.00	118,750.00
DX-410-1001	MiSeqDx™ System	125,000.00	118,750.00
SY-202-1001	ASSY,AUTOLOADER 2.x,SINGLE	75,000.00	71,250.00
20019564	REFURB, HiSeq 4000 System	700,000.00	665,000.00
20037138	Certified Pre-Owned NextSeq 550 System	225,000.00	213,750.00
Training			



Catalog #	Product Description	List Price (USD)	Customer Price (USD)
20004141	Bioinformatics Intro - Bio Consult	1,185.00	1,125.75
20022290	Praxis Ext. RAS Panel Train - Cust. Site	11,250.00	10,687.50
20011852	MSQDx Cystic Fibrosis Clin Seq Trng-Cust	12,500.00	11,875.00
20022900	Nextera DNA Flex - Customer Site	5,000.00	4,750.00
20022383	Intro to Next Gen Sequencing - ITC	1,050.00	997.50
20022384	TruSight Myeloid (Comp. WF) - ITC	2,100.00	1,995.00
20022385	TruSight Tumor 15 (Comp. WF) - ITC	2,100.00	1,995.00
20022386	ArcherDx FusionPlex (Comp. WF) - ITC	1,050.00	997.50
20022387	TruSight RNA Fusion (Key Steps) - ITC	1,050.00	997.50
20022400	TruSight Tumor 170 (Comp. WF) - ITC	2,520.00	2,394.00
20022389	Trusight Tumor 170 (Best Practices)- ITC	1,050.00	997.50
20022388	TruSight RNA Fusion (Full WF) - ITC	2,520.00	2,394.00
20004142	Introduction to BaseSpace® Ecosystem	395.00	375.25
20005893	cBot 2 Operational Qualification	3,878.00	3,684.10
TR-202-0005	Next-Gen Sequencing Essentials	6,000.00	5,700.00
20005637	MiniSeq System Training- Customer Site	7,500.00	7,125.00
20004530	Onsite Tech Enm-Train&Comp-Cust Site-RUO	37,800.00	35,910.00
TR-203-0021	Instrument Field Service Training	25,000.00	23,750.00
TR-203-0022	INST Field SVC TRN ReCERT	15,000.00	14,250.00
TR-204-0023	TruSight® Myeloid - Customer Site	7,500.00	7,125.00
20004527	VSeq NIPT 16 Smp-Training&Comp-Cust Site	38,950.00	37,002.50
TR-204-0024	TruSight® HLA - Customer Site	10,000.00	9,500.00
TR-204-0018	MSQDx CF 139 VAR TRN-Cust Site	8,500.00	8,075.00
TR-204-0019	MiSeqDx Uni Kit TRN-CUST Site"	8,500.00	8,075.00
TR-204-0017	TruSeq®TRGedRNAExpSEQ (TReX)-CUSTer Site	10,000.00	9,500.00
TR-204-0025	VeriSeq™ PGS Kit - Customer Site	8,500.00	8,075.00
TR-103-0001	Infinium® Assay: An Introduction	3,900.00	3,705.00
TR-302-0001	Data ANLYS: Intrmed ILMN SQuencer Users	1,500.00	1,425.00
TR-203-0007	TruSeq® CSTM Amplicon (TSCA)SMP Prep	2,800.00	2,660.00
TR-203-0005	Library Validation and QualityControl	1,500.00	1,425.00
TR-203-0002	TruSeq® RNA Sample Preparation	3,900.00	3,705.00
TR-202-0004	SEQ: ADV Troubleshooting, Best Practices	2,800.00	2,660.00
20004157	Bioinformatics Consulting	395.00	375.25
20004156	Data Processing Best Practices Consult	790.00	750.50
20000823	Train - TruSeq Enrchmnt, Customer Site	12,500.00	11,875.00

Catalog #	Product Description	List Price (USD)	Customer Price (USD)
20000666	TruSeq Amplicon Low Input, Customer Site	7,500.00	7,125.00
20000665	ForenSeq DNA Sig Prep with MiSeq FGx, HQ	3,990.00	3,790.50
TR-204-0030	T-S® TMR(15GENES)+MiSeq® Trn-CMer Site	10,000.00	9,500.00
SP-404-1008	VeriSeq™ NIPT Solution Enablement - RUO	53,575.00	50,896.25
TR-204-0016	TruSight Rpd Cap SMPPrep-CUST Site	12,500.00	11,875.00
TR-203-0016	TruSight Rpd Cap SMPlePrep	3,900.00	3,705.00
TR-204-0015	TruSight™ Tumor Sample Preparation	10,000.00	9,500.00
RH-500-1001	VeriSeq™ NIPT Solution Enablement	53,575.00	50,896.25
TR-204-0032	ForenSeq™ DNA Signature Prep with MiSeq	10,000.00	9,500.00
TR-203-0015	TruSight™ Tumor Sample Preparation	3,900.00	3,705.00
TR-204-0013	TruSeq® mRNA - Customer Site	10,000.00	9,500.00
TR-204-0012	TruSeq® Total RNA - Customer Site	10,000.00	9,500.00
TR-204-0011	TruSeq® DNA PCR-Free - Customer Site	7,500.00	7,125.00
TR-204-0007	TruSeq® Amplicon v1.5 - Customer Site	7,500.00	7,125.00
TR-204-0014	Nextera® Rapid Capture - Customer Site	10,000.00	9,500.00
TR-204-0009	Nextera® XT - Customer Site	5,000.00	4,750.00
TR-204-0008	Nextera® DNA - Customer Site	5,000.00	4,750.00
20031995	Dragen Installation	3,000.00	2,850.00
TR-203-0009	Nextera® XT Sample Preparation	1,500.00	1,425.00
TR-203-0008	Nextera® Sample Preparation	1,500.00	1,425.00
TR-204-0031	TruSeq® Amplicon 2.0 - Customer Site	7,500.00	7,125.00
20000824	Train -TruSeq Rapid Enrchmnt, Cstmr Site	10,000.00	9,500.00
20011853	TruSight RNA Pan Cancer Training-Cust	8,500.00	8,075.00
20004121	HSQ 3000/4000 Seq Sys Training-Cust Site	10,000.00	9,500.00
20004120	HiSeq 2500 Seq System Training-Cust Site	11,000.00	10,450.00
20024895	AmpliSeq DNA training - Solutions Center	525.00	498.75
20024896	AmpliSeq RNA training - Solutions Center	787.00	747.65
20003929	NSQ 500/550 Seq Sys Training-Cust Site	8,750.00	8,312.50
20024929	iSeq training - Solutions Center	542.00	514.90
20025054	AmpliSeq Cancer Hotspot Panel v2 – ITC	2,100.00	1,995.00
20003928	MiSeq System Training-Customer Site	7,500.00	7,125.00
20015235	Illumina ArrayLab Consulting Service	99,999.00	94,999.05
20015236	Illumina ArrayLab Consult Svc(Array)	99,999.00	94,999.05
20025856	AmpliSeq for Illumina Focus Panel - ISC	1,050.00	997.50
20025857	Intro to Next Gen Sequencing:RNA - ISC	1,050.00	997.50

Catalog #	Product Description	List Price (USD)	Customer Price (USD)
20015272	TruSeq Methyl Capture EPIC–Customer Site	10,000.00	9,500.00
20015273	Infinium Assay: An Intro–Customer Site	10,000.00	9,500.00
20026256	MiSeqDx Custom Training - Customer Site	1,084.00	1,029.80
20026290	Intro to Next Gen Sequencing - RNA	1,084.00	1,029.80
20026291	MiSeq Training - ISC	1,084.00	1,029.80
20026292	MiniSeq Training - ISC	1,084.00	1,029.80
20026293	NextSeq Training - ISC	1,084.00	1,029.80
20003926	TruSeq Nano DNA Training-Customer Site	7,500.00	7,125.00
20003925	TruSeq Small RNA Training-Customer Site	7,500.00	7,125.00

### III.SHIP HOLD

In cases where this Standing Quotation does not include a pre-defined ship schedule, the following ship hold terms shall apply:

- All orders must have a defined ship schedule. The initial ship date must be no later than three (3) months from the date the purchase order is received by Illumina (as provided in the Order Confirmation) and the entire order must be shipped complete within twelve (12) months from Illumina's receipt of the purchase order.
- Any exceptions to these ship hold terms must be agreed to in writing by Illumina and the Customer must pre-pay at least fifty percent (50%) of the purchase order amount of the affected shipments.
- Customers may request two (2) shipment delays for any single purchase order. The total months of delayed shipment for shipments associated with a single purchase order shall not exceed six (6) months.
- If Customer has requested a delayed shipment, Illumina reserves the right to change the lead time necessary to initiate Customer's first shipment (which may be longer than the lead time quoted at the time of the order placement).
- If Customer cannot take shipment in accordance with these terms, Illumina reserves the right to cancel the order in its entirety without any liability to the Customer.

Illumina does not supply plastics such as microplates or pipette tips for use in the listed assays and these are not included in the consumables pricing provided; however, as a result of the highly multiplexed nature of all assays, plastics alone contribute minimally to the final cost.

### IV.HOW TO ORDER

<p>For all consumable orders:</p> <p>Please submit your order online through MyIllumina (<a href="http://my.illumina.com">http://my.illumina.com</a>).</p>	<p>For all other orders:</p> <p>Please submit your institutional Purchase Order and a complete copy of this quotation to the attention of:</p> <p>Illumina Customer Service customerservice@illumina.com</p> <p>Toll Free: +1.800.809.ILMN (4566)</p>
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## V. Terms and Conditions

The offer contained in this document is automatically revoked by Illumina on 5:00 PM (based on the location of the Illumina quoting entity) on the expiration date shown on page 1 of this Quotation.

By this Standing Quotation, Illumina conditionally offers to Customer the Illumina products and/or services described above. This offer is conditional on, and may only be accepted by, Customer's agreement that Illumina's terms and conditions listed below or otherwise included with the product or service, as applicable to the specific product or service quoted ("Terms and Conditions"), is the sole and exclusive agreement between Customer and Illumina with respect to the particular product or service.

For the avoidance of doubt, any terms and conditions applicable to "Test Specific Products" that have a specific intended use in such products' documentation, as set forth in such terms and conditions, are applicable only to in vitro diagnostic products.

Additionally, notwithstanding the Illumina entity that is listed on the cover page of this Standing Quotation, the parties understand and agree that in the event an Illumina affiliate provides products or services to Customer, such Illumina affiliate is the relevant quoting and contracting entity for such products or services under this Standing Quotation and the relevant Terms and Conditions.

By submitting an order, Customer accepts and agrees that the Terms and Conditions referenced in this Standing Quotation is the sole and exclusive agreement between Customer and Illumina with respect to the products and/or services as described above and accepts all other terms of this Standing Quotation. NOTWITHSTANDING THE FOREGOING, IF ILLUMINA AND CUSTOMER HAVE ENTERED INTO A VALID AND ENFORCEABLE SIGNED AGREEMENT GOVERNING THE ILLUMINA PRODUCTS AND/OR SERVICES DESCRIBED ABOVE, THE ORDER OF PRECEDENCE BETWEEN THE AGREEMENT AND THE TERMS AND CONDITIONS SHALL BE AS FOLLOWS: IN THE EVENT OF A CONFLICT BETWEEN THE TERMS OF THE AGREEMENT AND THE TERMS AND CONDITIONS, OR IF THE AGREEMENT INCLUDES ADDITIONAL TERMS NOT ADDRESSED IN THE TERMS AND CONDITIONS, THE AGREEMENT SHALL GOVERN WITH RESPECT TO SUCH TERMS.

<https://www.illumina.com/company/legal/terms-and-conditions.html>

## State of Maine Waiver of Competitive Bidding Request Form (Formerly Sole Source Authorization Form)

**Form Instructions:** Please provide the requested information in the white boxes below. This form is to precede all contract requests that are not the direct result of a competitive bid process.

<b>Requesting Department's Contract Administrator:</b>	Nicholas Matluk, Supervisor of Microbiology	<b>Office/Division/Program of Contract Administrator:</b>	DHHS, MECDC, HETL
<b>Est. Contract Amount:</b>	master agreement for supplies and reagents	<b>Contract or RQS Number:</b>	RQS to be created after approval
		<b>DHHS Agreement Number:</b>	N/A
<b>Proposed Start Date:</b>	February 2017	<b>Proposed End Date:</b>	None: ongoing need for supplies/reagents
<b>Vendor/Provider Name, City, State</b>	Illumina, Inc. 5200 Illumina Way San Diego, CA 92122		
<b>Short Description of Good or Service:</b>	master agreement for supplies and reagents		
<b>Please note, for transparency purposes, Waivers of Competitive Bidding will be publicly posted. Public postings are placed on the Division of Purchases' website for a period of seven consecutive calendar days.</b>		<b>To be completed by the Division of Purchases</b> Posting dates on Division of Purchases' website: From: <u>2/16/2017</u> To: <u>2/22/2017</u>	
<b>Notice of Intent to Waive Competitive Bidding Number:</b>		NOI# 0220170204	
<b>1. Statutory Justification:</b> State of Maine statute (5 M.R.S. §1825-B(2)) allows waivers of competitive bidding only for the specific reasons listed below. Please mark the appropriate box (X) next to the justification which applies to this specific request.			
<input type="checkbox"/>	A. The procurement of goods or services by the State for county commissioners pursuant to Title 30-A, section 124, involves the expenditure of \$2,500 or less, and the interests of the State would best be served;		
<input type="checkbox"/>	B. The Director of the Bureau of General Services is authorized by the Governor, or the Governor's designee, to make purchases without competitive bidding because, in the opinion of the Governor or the Governor's designee, an emergency exists that requires the immediate procurement of goods or services;		
	<i>If citing the above justification for this Waiver of Competitive Bidding request, please have the requesting Department's Commissioner or Chief Executive (as the Governor's "designee") sign and date on the right.</i>	<i>By signing below, I signify as the Governor's designee there is an emergency that necessitates this non-competitive procurement.</i> <b>Signature:</b>	
		<b>Printed Name:</b>	<b>Date:</b>
<input checked="" type="checkbox"/>	C. After reasonable investigation by the Director of the Bureau of General Services, it appears that any required unit or item of supply, or brand of that unit or item, is procurable by the State from only one source;		
<input type="checkbox"/>	D. It appears to be in the best interest of the State to negotiate for the procurement of petroleum products;		
<input type="checkbox"/>	E. The purchase is part of a cooperative project between the State and the University of Maine System, the Maine Community College System, the Maine Maritime Academy, or a private, nonprofit, regionally accredited institution of higher education with a main campus in this State involving: (1) An activity assisting a state agency and enhancing the ability of the university system, community college system, Maine Maritime Academy, or a private, nonprofit, regionally accredited institution of higher education with a main campus in this State to fulfill its mission of teaching, research, and public service; (2) A sharing of project responsibilities and, when appropriate, costs;		
	<i>If citing the above justification for this sole source request, please note that the specific approval of the Governor's Office is required, in accordance with Executive Order 26 FY 11/12, "An Order to Enhance Competitive Bidding". The approval must be documented on DAFS/BGS/Division of Purchases "GOVCOOP" form; found here: <a href="http://www.maine.gov/purchases/info/forms/govcoop.doc">http://www.maine.gov/purchases/info/forms/govcoop.doc</a>.</i>		
<input type="checkbox"/>	F. The procurement of goods or services involves expenditures of \$10,000 or less, in which case the Director of		

## State of Maine Waiver of Competitive Bidding Request Form (Formerly Sole Source Authorization Form)

the Bureau of General Services may accept oral proposals or bids;	
<b>G. The procurement of goods or services involves expenditures of \$10,000 or less, and procurement from a single source is the most economical, effective and appropriate means of fulfilling a demonstrated need.</b>	
If a different authorization specifically allows for this non-competitive procurement, please provide that reference here:	N/A

**Please note that the following four points below (#2 through 5) all require a response.**

### 2. Description of Specific Need

Please identify, and fully describe, the specific problem, requirement, or need the resulting non-competitive contract would address and which makes the goods or services necessary. Explain how the requesting Department determined that the goods or services are critical and/or essential to agency responsibilities or operations.

Federal CDC is eliminating the use of Pulsed-field Electrophoresis (PFGE) for foodborne outbreak surveillance across the nation as early as 2018. States which are proficient in whole genome sequencing will no longer be funded for PFGE. HETL will become proficient in whole genome sequencing in the Winter of 2016. Therefore, federal funds will not be available for PFGE reagents/supplies.

The miSeq DNA next-gen sequencer (Illumina) would be used in the following applications:

- Supplement PFGE/Pulsenet program for foodborne outbreaks
- Analysis of antibiotic resistance plasmids
- Influenza mutations
- Molecular identification of E.coli and Shigella (16s sequencing cannot discriminate) and other bacteria
- Molecular identification of Mycobacterium outbreaks and discrimination of species
- Instrument will support the development of sequencing methodology for a variety of emerging pathogens that are anticipated to be tested within public health labs.

This is a document to put Illumina on a State of Maine Master Agreement. Federal CDC and HETL protocols require that only Illumina reagents supplies be used for protocols designed on the Illumina MiSeq

### 3. Availability of other Public Resources

Please explain how the requesting Department concluded that sufficient staffing, resources, or expertise is not available within the State of Maine's government, or other governmental entities (local, other state, or federal agencies) external to the requesting Department, which would be able to address the identified need more efficiently and effectively than the identified vendor.

- a) Nucleic Acid Testing is a highly technical technique requiring dedicated staff, laboratory space, hardware and software. HETL is the 'go-to' contract laboratory that hospitals, Primary Care Providers (PCPs) and external laboratories count on for performing Nucleic Acid Testing for foodborne outbreaks in the State of Maine, and therefore does not and will not contract out this service.
- b) HETL is the State Health and Environmental Testing Laboratory and the sole source of the state to provide such services. Testing for infectious disease via Nucleic Acid Testing is a highly technical technique requiring dedicated staff, laboratory space, hardware and software. HETL is the laboratory that hospitals, PCP's and external laboratories and Infectious Disease Epidemiology at the Maine CDC count on for performing Polymerase Chain Reaction testing in the State of Maine for vaccine preventable diseases, Bioterrorism Agents, pandemic Influenza, antibiotic resistance, viral resistance, , and foodborne outbreaks and therefore does not and will not contract out this service..
- c) HETL is the State Health and Environmental Testing Laboratory and the sole source of the state to provide testing for biological terrorism agents and DNA fingerprinting for foodborne outbreaks. Many of the protocols used by HETL are unavailable to the general private laboratory (they are not part of the LRN or do not have access to Federal CDC protocols)

## State of Maine Waiver of Competitive Bidding Request Form (Formerly Sole Source Authorization Form)

### 4. Cost

Since a waiver of competitive bidding is being requested for this procurement, please explain how the requesting Department concluded the negotiated costs, fees, or rates are fair and reasonable.

- a) Only Illumina sells the MiSeq whole genome sequence. Federal CDC and FDA released funds to purchase this equipment through the Epidemiology and Laboratory Capacity (ELC) grant awarded to the Maine CDC.
- b) The federal CDC/FDA in many cases sets the rules and guidelines in the form of standard operating procedures (SOPs). In order to provide diagnostic testing to the State of Maine HETL must follow the guidelines instituted by the federal CDC/FDA. Therefore, HETL has purchased and currently maintains the equipment required to run CDC/FDA approved diagnostic tests.

### 5. Future Competition

Please describe potential opportunities which may be available to foster competition for these goods or services in the future.

- a) While HETL recognizes the need for competition in order to acquire the lowest price, in this specific case, the federal agency which sets the standard operating procedures has determined that the MiSeq from Illumina will be replacing the legacy PFGE protocols. Because HETL follows the federal CDC/FDA guidelines, this does mean that HETL is 'locked-in' to specific test/machine/reagents.
- b) HETL cannot change vendors as the SOPs we use are instituted/regulated by the CDC/FDA
- c) HETL is the only laboratory in the State which can offer this type of service

**Please note that only one of the two points below ("Uniqueness" or "Timeframe") requires a response. Requesting Departments are not required to respond to both points.**

### 6. Uniqueness

Please explain if the goods or services required are unique to a specific vendor. Describe the unique qualifications, abilities, and/or expertise of the vendor and how those particular unique factors address the specific need identified above. If the vendor has unique equipment, facilities, or proprietary data, also explain the necessity of these particular unique assets.

- a) HETL is the only laboratory in the state of Maine that conducts outbreak investigations through Federal CDC PulseNet program. PulseNet is a network of local and state public health laboratories that use a subtyping technique called Pulsed-Field Gel Electrophoresis (PFGE), also called DNA fingerprinting, to detect, investigate, and control outbreaks of foodborne infection and hospital acquired infections. Subtyping allows scientists to see the differences between bacterial strains of the same species and monitor the trends of those bacteria. Federal CDC is eliminating the use of PFGE as a method and migrating to whole genome sequencing.
- b) Only Illumina sells the MiSeq whole genome sequence. Federal CDC will require this instrument as a replacement for PFGE as soon as HETL becomes proficient in whole genome sequencing (Winter 2016)


### 7. Timeframe

Please explain if time is of the essence and an emergency exists which requires the immediate procurement of goods or services. Describe the nature of this emergency, provide the date by which the goods or services must be delivered, and explain how that date was determined and its significance (i.e. impact if delayed beyond this date). Also, provide information as to how it was determined this vendor is the best option to address this time-sensitive procurement.

- a) Immediate Need. HETL has run out of reagents and supplies and cannot continue the following
  - Validation studies
  - Supplement PFGE/Pulsenet program for foodborne outbreaks
  - Analysis of antibiotic resistance plasmids
  - Influenza mutations
  - Molecular identification of E.coli and Shigella (16s sequencing cannot discriminate) and other bacteria
  - Molecular identification of Mycobacterium outbreaks and discrimination of species

## State of Maine Waiver of Competitive Bidding Request Form (Formerly Sole Source Authorization Form)

- Instrument will support the development of sequencing methodology for a variety of emerging pathogens that are anticipated to be tested within public health labs.

<b>Signature of requesting Department's Commissioner or Chief Executive (or designee within the Commissioner's Office):</b>	<i>By signing below, I signify that my Department requests, and I approve of, this Waiver of Competitive Bidding.</i>
	
<b>Printed Name:</b>	Alexander Porteous
<b>Date:</b>	2-15-17