

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
Bid Receiving - PWGSC / Réception des
soumissions - TPSGC
11 Laurier St./ 11 rue, Laurier
Place du Portage, Phase III
Core 0A1 / Noyau 0A1
Gatineau, Québec K1A 0S5
Bid Fax: (819) 997-9776

REQUEST FOR PROPOSAL
DEMANDE DE PROPOSITION

**Proposal To: Public Works and Government
Services Canada**

We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services, and construction listed herein and on any attached sheets at the price(s) set out therefor.

**Proposition aux: Travaux Publics et Services
Gouvernementaux Canada**

Nous offrons par la présente de vendre à Sa Majesté la Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens, services et construction énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments - Commentaires

Title - Sujet SMART LIQUID HANDLER	
Solicitation No. - N° de l'invitation HT282-144451/A	Date 2014-09-17
Client Reference No. - N° de référence du client HT282-144451	
GETS Reference No. - N° de référence de SEAG PW-\$\$PV-916-65742	
File No. - N° de dossier pv916.HT282-144451	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2014-10-28	Time Zone Fuseau horaire Eastern Daylight Saving Time EDT
F.O.B. - F.A.B. Specified Herein - Précisé dans les présentes Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input checked="" type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Emond, Linda A.	Buyer Id - Id de l'acheteur pv916
Telephone No. - N° de téléphone (819) 956-4014 ()	FAX No. - N° de FAX (819) 956-3814
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: DEPARTMENT OF HEALTH MUTAGENSIS SECTION ENVIRONMENT HEALTH CENTRE BUILDING #8, RM 303, AL 0803A TUNNEY'S PASTURE OTTAWA Ontario K1A0K9 Canada	

Instructions: See Herein

Instructions: Voir aux présentes

Vendor/Firm Name and Address

**Raison sociale et adresse du
fournisseur/de l'entrepreneur**

Issuing Office - Bureau de distribution

Scientific, Medical and Photographic Division / Division de
l'équipement scientifique, des produits photographiques et
pharmaceutiques
11 Laurier St./ 11 rue, Laurier
6B1, Place du Portage
Gatineau, Québec K1A 0S5

Delivery Required - Livraison exigée See Herein	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date



Item Article	Description	Dest. Code Dest.	Inv. Code Fact.	Qty Qté	U. of I. U. de D.	Unit Price/Prix unitaire FOB/FAM Destination Plant/Usine		Delivery Req. Livraison Req.	Del. Offered Liv. offerte
1	SMART LIQUID HANDLER SMART LIQUID HANDLER as per mandatory specification on Annex A.	HT282	I - 1	1	\$	\$	\$	See Herein	

Solicitation No. - N° de l'invitation

HT282-144451/A

Amd. No. - N° de la modif.

File No. - N° du dossier

pv916HT282-144451

Buyer ID - Id de l'acheteur

pv916

CCC No./N° CCC - FMS No/ N° VME

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TABLE OF CONTENTS

PART 1 - GENERAL INFORMATION

1. Security Requirement
2. Requirement
3. Debriefings
4. Trade Agreements

PART 2 - BIDDER INSTRUCTIONS

1. Standard Instructions, Clauses and Conditions
2. Submission of Bids
3. Enquiries - Bid Solicitation
4. Applicable Laws

PART 3 - BID PREPARATION INSTRUCTIONS

1. Bid Preparation Instructions

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

1. Evaluation Procedures
2. Basis of Selection

PART 5 - CERTIFICATIONS

1. Certifications Required Precedent to Contract Award

PART 6 - RESULTING CONTRACT CLAUSES

1. Security Requirement
2. Requirement
3. Standard Clauses and Conditions
4. Term of Contract
5. Authorities
6. Payment
7. Invoicing Instructions
8. Certifications
9. Applicable Laws
10. Priority of Documents
11. SACC Manual Clauses
12. Shipping Instructions - Delivery at Destination

List of Annexes:

- Annex A Mandatory Specification
Annex B Complete List of Affiliates

TITLE: Smart Liquid Handler

PART 1 - GENERAL INFORMATION

1. Security Requirement

There is no security requirement associated with this bid solicitation.

2. Requirement

3. Debriefings

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days of receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

4. Trade Agreements

"The requirement is subject to the provisions of the World Trade Organization Agreement on Government Procurement (WTO-AGP), the North American Free Trade Agreement (NAFTA), and the Agreement on Internal Trade (AIT)."

PART 2 - BIDDER INSTRUCTIONS

1. Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

The 2003 (2014-06-26) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 5.4 of 2003, Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: sixty (60) days
Insert: ninety (90) days

1.1 SACC Manual Clauses

B1000T	Condition of Material	2014-06-26
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2. Submission of Bids

Bids must be submitted only to Public Works and Government Services Canada (PWGSC) Bid Receiving Unit by the date, time and place indicated on page 1 of the bid solicitation.

3. Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than ten (10) calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the questions or may request that the Bidder do so, so that the proprietary nature of the question(s) is eliminated, and the enquiry can be answered to all bidders. Enquiries not submitted in a form that can be distributed to all bidders may not be answered by Canada.

4. Applicable Laws

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in the province of Ontario, Canada.

The Bidder may, at its discretion, substitute the applicable laws of a Canadian province or territory of its choice without affecting the validity of its bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of its choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the Bidder

PART 3 - BID PREPARATION INSTRUCTIONS

1. Bid Preparation Instructions

Canada requests that bidders provide their bid in separately bound sections as follows:

Section I: Technical Bid (two (2) copies)
Section II: Financial Bid (one (1) copy)

Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid.

Canada requests that bidders follow the format instructions described below in the preparation of their bid:

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process Policy on Green Procurement. (<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, Offerors should follow the format instructions described below in the preparation of their offer:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content;
- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders; and
- 3) use a numbering system that corresponds to that of the Request for Standing Offers.

1.1 Section I: Technical Bid

The following applies to the Requirement and bidders must provide the following information in the bid where applicable:

1.1.1 Installation

On-site installation must be provided and be carried out by a qualified service technician.

State your best installation schedule. Installation will be carried out within _____ calendar days of delivery and be completed within _____ calendar days.

1.1.2 Training

On-site user training must be provided for up to two (2) users. All costs associated with the on-site training must be included in the price.

On-site training will be completed within _____ calendar days of installation. Provide complete details of training e.g. duration, scope, etc.,

1.1.3 Product(s) Offered

The Bidder must indicate the make and model number of the products offered (identify specific components which make up the system):

Name of Manufacturer: _____

Model/Part Number: _____
Literature attached: Yes (_____) No (_____)

1.1.4 Point of Manufacture/Shipping

The Bidder must state the point of manufacture/shipping of goods or where service is to be performed:

Location: _____
Postal Code: _____

1.1.5 Delivery

While delivery must be no later than March 15, 2015, the best delivery that could be offered by the Bidder is _____.

1.1.6 Contacts

Bidders are requested to provide the following: Information pertaining to Article 5.3 Contractor Representatives under Part 6, Resulting Contract Clauses.

1.2 Section II: Financial Bid

The bidder must quote a firm lot price all inclusive of supply, installation, training and manuals, DDP (Ottawa, Ontario), the total amount of applicable taxes must be shown separately. Freight charges to destination and all applicable Customs duties and Excise taxes must be included.

1.2.1 Exchange Rate Fluctuation

C3011T Exchange Rate Fluctuation 2013-11-06

1.3 Section III: Certifications

Bidders must submit the certifications required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

1. Evaluation Procedures

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

1.1 Technical Evaluation

All proposals submitted must be completed in full and provide all of the information requested in the Request for Proposal (RFP) package to enable a full and complete evaluation. If the requirement is not addressed in the bidder's proposal, the proposal will be considered incomplete or non-responsive and will be rejected. The onus is on the bidder to provide all the information necessary to ensure a complete and accurate assessment.

Read: **Yes:** _____

Factors for Evaluation

1. **PRICING BASIS (MANDATORY):** Prices must be firm, DDP Delivered Duty Paid.

2. **ABILITY TO MEET THE TECHNICAL REQUIREMENT (MANDATORY):**

a) For Items Defined by Specifications:

The bidder is requested to cross reference the mandatory technical criteria contained herein to their supporting technical documentation.

b) Provision of Supporting Technical Documentation:

Supporting technical documentation for the stores offered must be provided with the bid at time of bid closing.

Technical brochures or technical data **MUST** be provided to verify compliancy to the technical mandatory specifications.

Included: **Yes:** _____

3. The bidder must physically demonstrate at the evaluation team how they meet all of the mandatory technical requirements. This demonstration must be conducted (at a mutually acceptable location on Health Canada premises or at plant facility) within four weeks of being informs of responsiveness to the written description. Failure to provide the compliance demonstration or failure to meet the stated requirement will result in the second lowest bidder (or third lowest, fourth lowest, etc) being required to perform the physical demonstration of compliance.

4. **COMPLIANCE WITH THE TERMS AND CONDITIONS OF THIS REQUEST FOR PROPOSAL (MANDATORY)**

5. Please note that the requirements of the Federal Contractors Program for Employment Equity may apply - (see Part 5).

1.1.1 Mandatory Technical Criteria

As per Annex A

1.2 Financial Evaluation

The price of the bid will be evaluated in Canadian dollars, Applicable Taxes excluded, DDP Ottawa, Ontario Incoterms 2000, Canadian customs duties and excise taxes included.

Unless the bid solicitation specifically requires bids to be submitted in Canadian currency, bids submitted in foreign currency will be converted to Canadian currency for evaluation purposes. The rate given by the Bank of Canada in effect on the bid solicitation closing date, or on another date specified in the bid solicitation, will be applied as a conversion factor to the bids submitted in foreign currency.

2. Basis of Selection

A0031T	Basis of Selection - Mandatory Technical Criteria Only	2010-08-16
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PART 5 - CERTIFICATIONS

Bidders must provide the required certifications and associated information to be awarded a contract.

The certifications provided by bidders to Canada are subject to verification by Canada at all times. Canada will declare a bid non-responsive, or will declare a contractor in default in carrying out any of its obligations under the Contract, if any certification made by the Bidder is found to be untrue whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

The Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Contracting Authority may render the bid non-responsive or constitute a default under the Contract.

1.1 Integrity Provisions – Associated Information

By submitting a bid, the Bidder certifies that the Bidder and its Affiliates are in compliance with the provisions as stated in Section 01 Integrity Provisions - Bid of Standard Instructions 2003 The associated information required within the Integrity Provisions will assist Canada in confirming that the certifications are true.

1.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list (http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml) available from Employment and Social Development Canada (ESDC) - Labour's website.

Canada will have the right to declare a bid non-responsive if the Bidder, or any member

of the Bidder if the Bidder is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list at the time of contract award.

PART 6 - RESULTING CONTRACT CLAUSES

1. Security Requirement

There is no security requirement applicable to this contract.

2. Requirement

2.1 Requirement

The Contractor must provide the items detailed under the "Line Item Detail".

2.2 Installation

On-site installation must be provided and be carried out by a qualified service technician.

2.3 Manuals

One complete set of user documentation in English must be supplied.

2.4 Training

On-site user training must be provided for up to _____ users.

3. Standard Clauses and Conditions

All clauses and conditions identified in the Contract by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

3.1 General Conditions

2010A (2014-06-26) General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

4. Term of Contract

4.1 Delivery Date

All the deliverables must be received on or before _____ **(to be filled in only at contract award)**.

5. Authorities

5.1 Contracting Authority

The Contracting Authority for the Contract is:

Linda Emond
Public Works and Government Services Canada
Acquisitions Branch
Commercial Consumer Products Directorate
11 Laurier Street, 6A2, Phase III
Place du Portage, Gatineau, Quebec, K1A 0S5
Telephone: (819) 956-4014
Facsimile: (819) 956-3814
E-mail address: linda.emond@pwgsc.gc.ca

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

5.2 Technical Authority **(to be filled in only at contract award)**

The Technical Authority for the Contract is:

Name: _____
Telephone: (____) _____
Facsimile: (____) _____
E-mail address: _____

The Technical Authority named above is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Technical Authority, however the Technical Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

5.3 Contractor's Representative **(fill in)**

The telephone number of the person responsible for:

General enquiries
Name: _____
Telephone No. _____
Facsimile No. _____
E-mail address: _____

Delivery Follow-up
Name: _____
Telephone No. _____
Facsimile No. _____
E-mail address: _____

6. **Payment**

6.1 Basis of Payment - Firm Price

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a *firm lot price*, as specified in *contract* for a cost of \$ _____ **(to be filled in only at contract award)**. Customs duties are *included* and Applicable Taxes are extra.

Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work, unless they have been approved, in writing, by the Contracting Authority before their incorporation into the Work.

6.2 SACC Manual Clauses

C2000C	Taxes - Foreign-Based Contractor	2007-11-30
C2608C	Canadian Customs Documentation	2012-07-06
H1000C	Single Payment	2008-05-12

7. Invoicing Instructions

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.
2. Invoices must be distributed as follows:
 - (a) The original and one (1) copy must be forwarded to the address shown on page 1 of the Contract for certification and payment.
 - (b) One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.
 - (c) one (1) copy must be forwarded to the consignee.

8. Certifications

8.1 Compliance

The continuous compliance with the certifications provided by the Contractor in its bid and the ongoing cooperation in providing associated information are conditions of the Contract. Certifications are subject to verification by Canada during the entire period of the Contract. If the Contractor does not comply with any certification, fails to, provide the associated information, or if it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.

8.2 Federal Contractors Program for Employment Equity - Default by the Contractor

The Contractor understands and agrees that, when an Agreement to Implement Employment Equity (AIEE) exists between the Contractor and Employment and Social Development Canada (ESDC)-Labour, the AIEE must remain valid during the entire period of the Contract. If the AIEE becomes invalid, the name of the Contractor will be added to the "[FCP Limited Eligibility to Bid](#)" list. The imposition of such a sanction by ESDC will constitute the Contractor in default as per the terms of the Contract.

9. Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in the province of Ontario.

10. Priority of Documents

If there is a discrepancy between the wordings of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- (a) The Articles of Agreement;
- (b) 2010A (2014-06-26) General Conditions - Goods (Medium Complexity);
- (c) Annex A, Mandatory Specifications;
- (d) The Contractor's bid dated _____ (*insert date of bid*)

11. SACC Manual clause

B1501C	Electrical Equipment	2006-06-16
A9068C	Government Site Regulations	2010-01-11
A2000C	Foreign Nationals (Canadian Contractor)	2006-06-16
A2001C	Foreign Nationals (Foreign Contractor)	2006-06-16

12. Shipping Instructions - Delivery at Destination

1. Goods must be consigned to the destination specified in the Contract and delivered:

Delivered Duty Paid (DDP) Ottawa, Ontario Incoterms 2000 for shipments from a commercial contractor.
2. The Contractor will be responsible for all delivery charges, administration, costs and risk of transport and customs clearance, including the payment of customs duties and taxes.

ANNEX A

Smart Liquid Handler

MANDATORY SPECIFICATIONS

Vendors must cross reference the mandatory technical criteria in a concise format by using page, paragraph(s) & sub-paragraphs as applicable to their supporting technical documentation.

Technical brochures or technical data **MUST** be provided to verify compliancy to the technical mandatory specifications.

Mandatory Technical Criteria	Reference in Vendors Proposal page, paragraph(s) & sub-paragraphs
The RLH interface must be able to detect whether the pipet tip required at a specific step in the routine is the correct one. The instrument must also be able to pick up tips without human intervention.	
The RLH must be able to detect whether an accessory (e.g. heater) is not present.	
The RLH must be equipped with a hood having filtered variable (equal or better than HEPA) air positive pressure controlled by the computer software.	
The RLH must be equipped with a system (e.g. UV light) for decontamination of RNA, DNA, proteins.	
Accessories on deck must allow for plate and vial heating (variable temperature), cooling (variable temperature) and heating shaking (variable RPM and temperature) controlled by routines that are programmed in the RLH computer interface.	
The RLH must be able to work with magnetic beads for DNA/RNA extraction, clean-up and DNA/RNA size selection.	
The RLH must be able to support future accessories (deck accessible) such as centrifuges, thermocycler, vacuum manifold, plate sealer, plate seal remover. For the current bid, manufacturers are not required to provide these accessories for the protocols. Human intervention is allowed to transfer plates to centrifuges, thermocyclers, vacuum manifold. As well, plate sealing and seal removing can be done manually.	

The instrument power switch must be easily accessible and engineered so that accidental hits are avoided.	
The RLH must have venting capacity.	
The RLH must have a fail safe mechanism that restricts personnel from accessing the deck while the pipetting arm is moving.	
The unit must be bench top compatible. The unit footprint must not exceed 2 meters wide by 1 meter deep.	
The manufacturer must be able to provide spare parts for the instrument for at least 5 years after contract awarded	
The manufacturer must prepare routines for the protocols mentioned in the intended use section and offer training for proper utilisation of the RLH.	
The RLH must be able to pipet accurately (see table 1 below) volumes from ≤ 0.5 to ≥ 1000 microliters without changing hardware.	
Pipetting channels on the RLH must be able to independently (e.g. individually on each channel) detect and pipet volumes of polar and non polar solvent. Detection must be performed from at least 2 liquid level detection systems. It must also ensure that none of volume is lost during transfer (constant monitoring).	
The RLH must be engineered to pipet high vapour pressure solvents and minimize spillage on the deck.	
The RLH must be able to detect individual (per channel) pipetting errors from clogs, foam or insufficient liquid in well/vial. The user must be able to set an action (e.g.: reaspiration, skip sample, abort) when the RLH triggers an alarm due to this error.	
The RLH must have at least 8 individual pipetting channels with the capacity of extending to 16.	
The pipetting channels must have a positioning accuracy equal or better than 0.1mm in X, Y, Z axis.	

Solicitation No. - N° de l'invitation
HT282-144451/A
Client Ref. No. - N° de réf. du client
HT282-144451

Amd. No. - N° de la modif.
File No. - N° du dossier
Pv916-HT282-144451

Buyer ID - Id de l'acheteur
Pv916
CCC No./N° CCC - FMS No/N° VME

<p>The RLH must have the pipet tip reserve capacity to process at least 32 samples during the same run using a set of the protocols mentioned in the primary use section, i.e. (polyA selection, fragmentation and library construction) and (ribo RNA depletion, fragmentation and library construction).</p>	
<p>The RLH must have capacity of SBS plates and vial positions to process at least 32 samples during the same run using a set of the protocols mentioned in the primary use section, i.e. (polyA selection, fragmentation and library construction) and (ribo RNA depletion, fragmentation and library construction).</p>	
<p>The RLH pipets channels must be engineered in order for pipets tips to be held securely during operation.</p>	
<p>The RLH must have a chute where the used pipet tips are disposed of automatically by the instrument.</p>	
<p>The RLH must have the capability of integrating a barcode reader to read barcode from plates or tubes.</p>	
<p>An arm on the RLH must be able to move plates between positions on the deck.</p>	
<p>The RLH must be able to aliquot a 96 well plate to the four quadrants of a 384 well plate in less than 5 minutes.</p>	
<p>The RLH must be controlled by a computer from which routines can be programmed. The manufacturer must provide an Application Programming Interface (API) in order for qualified computer science personnel to successfully create new routines.</p>	
<p>The RLH software can save pipetting conditions (e.g. speed of aspiration, tips to be used) on the computer for categories of liquids (e.g. similar viscosity, vapor pressure).</p>	
<p>The RLH computer system must be able to alert by email or SMS and pop up on computer screen when the routine is complete or human intervention is required.</p>	

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Pv916
CCC No./N° CCC - FMS No/N° VME

Table 1: Pipetting volume accuracy specifications must meet:

tip size	volume	Precision(%)	Trueness(%)
10 µL	0.5 µL	0.06	0.1
10 µL	10 µL	0.01	0.015
50 µL	1 µL	0.04	0.05
50 µL	50 µL	0.0075	0.02
300 µL	200 µL	0.0075	0.01
1000 µL	1000 µL	0.0075	0.01
Equivalent accuracy specifications for all volumes are also acceptable			

Solicitation No. - N° de l'invitation
HT282-144451/A
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HT282-144451

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File No. - N° du dossier
Pv916-HT282-144451

Buyer ID - Id de l'acheteur
Pv916
CCC No./N° CCC - FMS No/N° VME

ANNEX B

**COMPLETE LIST OF AFFILIATES
(As per Standard Instructions, Clauses and Conditions Part 2)**

Name	Position
_____	_____
_____	_____
_____	_____
_____	_____