

**RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:**

**Bid Receiving - PWGSC / Réception des
soumissions - TPSGC**

1550 D'Estimauville Avenue
1550, Avenue d'Estimauville
Québec
Québec
G1J 0C7

FAX pour soumissions: (418) 648-2209

**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 Inverted Confocal Microscope	
Solicitation No. - N° de l'invitation 23125-160124/A	Date 2015-07-16
Client Reference No. - N° de référence du client 23125-160124	
GETS Reference No. - N° de référence de SEAG PW-\$BAL-001-16498	
File No. - N° de dossier BAP-5-38062 (001)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2015-08-26	
Time Zone Fuseau horaire Heure Avancée de l'Est HAE	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Tremblay, Marial	Buyer Id - Id de l'acheteur bal001
Telephone No. - N° de téléphone (418) 677-4000 (4159)	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Ressources naturelles Canada / Natural Resources Canada Centre de foresterie des Laurentides Laurentian Forestry Centre (LFC) 1055 rue du P.E.P.S. Québec (Québec) G1V 4C7	

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

TPSGC/PWGSC
BFC Bagotville, CP 380
CFB Bagotville, PO Box 380
Bâtiment 62, local 112
Building 62, Room 112
Alouette
Québec
G0V1A0

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

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Buyer ID - Id de l'acheteur

ba1001

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23125-160124

This Request For Proposal is divided into two separate documents:

- Document 1 of 2: This page (Page 2 of - de 2) as well as the first page (Page 1 of - de 2).
- Document 2 of 2: The attachment with a pagination beginning with "Document 2 of 2".

INVERTED CONFOCAL LASER SCANNING MICROSCOPE WITH SPECTRAL DETECTION

LAURENTIAN FORESTRY CENTRE (QUEBEC) NATURAL RESOURCES CANADA

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bal001
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PART 1 - GENERAL INFORMATION

1.1 Requirement

The requirement is detailed under Article 6.1 of the resulting contract clauses.

1.2 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 from receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

PART 2 - BIDDER INSTRUCTIONS

2.1 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>) 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 (2015-07-03) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

2.2 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.

Your proposal can be transmitted by fax to # 418-648-2209 or by mail to the following address:

Bid Receiving Unit
Public Works and Government Services Canada (PWGSC)
1550 D'Estimauville Avenue
Quebec City, Quebec, Canada, G1J 0C7

2.3 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 question(s) 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.

2.4 Applicable Laws

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

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

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

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

Section I: Technical Bid (1 hard copy)

Section II: Financial Bid (1 hard copy)

Section III: Certifications (1 hard 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:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) use a numbering system that corresponds to the bid solicitation.

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, bidders should:

- 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; and
- 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.

Section I: Technical Bid

In their technical bid, bidders should explain and demonstrate how they propose to meet the requirements and how they will carry out the Work.

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Section II: Financial Bid

Bidders must submit their financial bid in accordance with the Basis of Payment. The total amount of Applicable Taxes must be shown separately.

3.1.1 Exchange Rate Fluctuation

SACC Manual Clauses C3010T (2014-11-27), Exchange Rate Fluctuation Risk Mitigation.

Section III: Certifications

Bidders must submit the certifications required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

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

4.1.1 Proposal Evaluation

The products offered must meet the requirements of Annex A - Requirement.

4.1.2 Financial Evaluation

The total price of each bid will be established using the following criteria:

Bidders must submit firm prices, Canadian customs duties and excise taxes included, and Applicable Taxes excluded. For evaluation purposes, bids received in a foreign currency will be converted to Canadian funds using the appropriate rate of exchange using the rate quoted by the Bank of Canada as being in effect on date of bid closing.

Bidders must submit their prices DDP destination; Delivered Duty Paid.

4.2 Basis of Selection

A bid must comply with all requirements of the bid solicitation to be declared responsive. The responsive bid with the lowest evaluated price will be recommended for award of a contract.

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.

5.1 Certifications Precedent to Contract Award

The certifications listed below should be completed and submitted with the bid, but may be submitted afterwards. If any of these required certifications is not completed and submitted as requested, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Failure to comply with the request of the Contracting Authority and to provide the certifications within the time frame provided will render the bid non-responsive.

5.1.1 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.

5.1.2 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

The following clauses and conditions apply to and form part of any contract resulting from the bid solicitation.

Notice: Numbering will be revised at contract award

6.1 Requirement

The Contractor must provide an inverted confocal laser scanning microscope with spectral detection, in accordance with the Requirement at Annex A.

6.2 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>) issued by Public Works and Government Services Canada.

6.2.1 General Conditions

2010A (2015-07-03), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

6.2.2 Supplemental General Conditions

4001 (2015-04-01), Supplemental General Conditions - Hardware Purchase, Lease and Maintenance, apply to and form part of the Contract.

4003 (2010-08-16), Supplemental General Conditions - Licensed Software, apply to and form part of the Contract.

4004 (2013-04-25), Maintenance and Support Services for Licensed Software, apply to and form part of the Contract.

6.3 Term of Contract

6.3.1 Delivery Period

All the deliverables must be received within a period of ninety (90) calendar days after the contract is awarded.

6.4 Authorities

6.4.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Marial Tremblay
Title: Supply specialist
Telephone: 418-677-4000, ext.: 4159
E-mail address: Marial.Tremblay@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.

6.4.2 Technical Authority

The Technical Authority for the Contract is:

(to be completed at contract award by PWGSC)

Name: _____
Title: _____
Telephone No.: _____
Facsimile No.: _____
E-mail Address: _____

The Technical Authority 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.

6.4.3 Contractor's Representatives

Name and telephone number of the person responsible for :

(a) Contract Manager:

Name: _____

Title: _____

Telephone No.: _____

Facsimile No.: _____

E-mail Address: _____

(b) Delivery Follow up:

Name: _____

Title: _____

Telephone No.: _____

Facsimile No.: _____

E-mail Address: _____

6.5 Payment

6.5.1 Basis of Payment - Firm Lot Prices

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid the firm lot prices, as specified in Annex " B " for a cost of \$ _____ (to be completed at contract award by PWGSC). 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.

6.5.2 SACC Manual Clauses

Number	Date	Title
C2000C	2007-11-30	Taxes - Foreign-based Contractor
H1001C	2008-05-12	Multiple Payments

6.6 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:

Use one the following methods:
 - a. Fax: 1-877-947-0987
 - b. E-mail: Invoicing-Facturation@NRCan-RNCan.gc.ca (PDF format only).

6.7 Certifications

6.7.1 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.

6.8 Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Quebec, Canada.

6.9 Priority of Documents

If there is a discrepancy between the wording 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) the supplemental general conditions:
 - i) 4001 (2015-04-01), Supplemental General Conditions - Hardware Purchase, Lease and Maintenance;
 - ii) 4003 (2010-08-16), Supplemental General Conditions - Licensed Software;
 - iii) 4004 (2013-04-25), Maintenance and Support Services for Licensed Software;

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- (c) the general conditions 2010A (2015-07-03), General Conditions - Goods (Medium Complexity);
 - (d) Annex A, Requirement;
 - (e) Annex B, Basis of Payment; and
 - (f) the Contractor's bid dated _____ (to be completed at contract award by PWGSC)

6.10 Electrical Equipment

All electrical equipment supplied under the Contract must be certified or approved for use in accordance with the Canadian Electrical Code, Part 1, before delivery, by a certification organization accredited by the Standards Council of Canada.

6.11 Shipping Instructions - Delivery at Destination

Goods must be consigned to the destination specified in the Contract and delivered Delivered Duty Paid (DDP) **Laurentian Forestry Centre, 1055, rue du P.E.P.S., Quebec, Quebec, G1V 4C7**, Incoterms 2000 for shipments from a commercial contractor.

6.12 Government Site Regulations

The Contractor must comply with all regulations, instructions and directives in force on the site where the Work is performed.

6.13 Intellectual Property Infringement and Royalties

1. The Contractor represents and warrants that, to the best of its knowledge, neither it nor Canada will infringe any third party's intellectual property rights in performing or using the Work, and that Canada will have no obligation to pay royalties of any kind to anyone in connection with the Work.
2. If anyone makes a claim against Canada or the Contractor concerning intellectual property infringement or royalties related to the Work, that Party agrees to notify the other Party in writing immediately. If anyone brings a claim against Canada, according to Department of Justice Act, R.S. 1985, c. J-2, the Attorney General of Canada must have the regulation and conduct of all litigation for or against Canada, but the Attorney General may request that the Contractor defend Canada against the claim. In either case, the Contractor agrees to participate fully in the defence and any settlement negotiations and to pay all costs, damages and legal costs incurred or payable as a result of the claim, including the amount of any settlement. Both Parties agree not to settle any claim unless the other Party first approves the settlement in writing.
3. The Contractor has no obligation regarding claims that were only made because:
 - a. Canada modified the Work or part of the Work without the Contractor's consent or used the Work or part of the Work without following a requirement of the Contract; or

-
- b. Canada used the Work or part of the Work with a product that the Contractor did not supply under the Contract (unless that use is described in the Contract or the manufacturer's specifications); or
 - c. the Contractor used equipment, drawings, specifications or other information supplied to the Contractor by Canada (or by someone authorized by Canada); or
 - d. the Contractor used a specific item of equipment or software that it obtained because of specific instructions from the Contracting Authority; however, this exception only applies if the Contractor has included the following language in its own contract with the supplier of that equipment or software: "[Supplier name] acknowledges that the purchased items will be used by the Government of Canada. If a third party claims that equipment or software supplied under this contract infringes any intellectual property right, [supplier name], if requested to do so by either [Contractor name] or Canada, will defend both [Contractor name] and Canada against that claim at its own expense and will pay all costs, damages and legal fees payable as a result of that infringement." Obtaining this protection from the supplier is the Contractor's responsibility and, if the Contractor does not do so, it will be responsible to Canada for the claim.
 4. If anyone claims that, as a result of the Work, the Contractor or Canada is infringing its intellectual property rights, the Contractor must immediately do one of the following:
 - a. take whatever steps are necessary to allow Canada to continue to use the allegedly infringing part of the Work; or
 - b. modify or replace the Work to avoid intellectual property infringement, while ensuring that the Work continues to meet all the requirements of the Contract; or
 - c. take back the Work and refund any part of the Contract Price that Canada has already paid.

If the Contractor determines that none of these alternatives can reasonably be achieved, or if the Contractor fails to take any of these steps within a reasonable amount of time, Canada may choose either to require the Contractor to do (c), or to take whatever steps are necessary to acquire the rights to use the allegedly infringing part(s) of the Work itself, in which case the Contractor must reimburse Canada for all the costs it incurs to do so.

ANNEX A - REQUIREMENT

A.1 Introduction

The Laurentian Forestry Centre (Canadian Forest Service (CFS)-Quebec) of Natural Resources Canada needs a confocal laser scanning microscope (CLSM) with spectral detection. With this CLSM, it will be possible for instance to obtain unprecedented observations during gene expression, the localization of pathogens or key molecules associated with host-pathogen interactions. For the CFS teams working in priority fields such as genomics, pest control or wood differentiation, this CLSM will allow them to produce innovative results and thus will give the CFS an opportunity to increase its influence at the international level.

A.2 Documentation

Documentation in hard and electronic copies [Adobe Acrobat (.pdf)], in English (and French if available):

- a) a user's manual including safety precautions;
- b) a maintenance manual; and
- c) a parts manual listing each part individually.

A.3 Delivery, Unloading, and Installation

The Contractor shall be responsible for delivering, unloading and installing the equipment at the destination. The offices of Natural Resources Canada have a loading dock, a freight elevator and a pallet truck.

When making deliveries, sufficient personnel must be provided to permit unloading of any type of vehicle without the assistance of federal government personnel.

A.4 Training

Once the microscope is installed and correctly started by the Contractor, the latter shall immediately provide two (2) days of training (7.5 hours/day), preferably in French, that shall include one (1) day with our samples (e.g. some may present intense autofluorescence that shall be resolved).

A.5 Mandatory Specifications and Components

The mandatory specifications and components listed in the tables below are, first and foremost, the minimum requirements and do not constitute an exhaustive list.

Any specifications and components required for operation of the equipment and not described in the table below are an integral part of this annex and their cost is included in the firm lot price for the microscope.

➤ Instruction to Bidders

- 1) In the second-last column of the following table, bidders should indicate the specifications and components offered.
- 2) In the last column of the following table, bidders should indicate where in their technical documents we can find information on the specifications and components offered.
- 3) Do not forget to include with your bid, your technical documents and the table below duly completed.

Mandatory Specifications and Components		Specifications and Components Offered	Title, Page and/or Line the Technical Documents
1	Inverted microscope		
.1	Fully motorized, such as: eight-position motorized filter turret, motorized condenser, high angle illumination and fluorescent shutters, motorized six position lens carrier		
.2	Adjustable binocular head, including a detachable control module, with 10x eyepieces		
.3	Tactile control panel and a ambidextrous focus control block that can be placed a large distance from the microscope stand (> 1.5 m) to ensure maximum work ergonomics		
.4	Motorized laser focal drift compensation system to conserve focus during experiments on living cells		
.5	Movement on the Z axis with 10 nm resolution		
.6	High-precision motorized stage (with linear position encoder [= memory] to examine several different fields with repositioning of the stage)		
.1	Interactive adjustment (with lever and cables)		
.2	Universal sample holder (e.g. for 25 mm x 75 mm glass slides)		
.3	Holder for Petri dish and microplate with multiple wells		
.4	Adjustment module for programming image acquisition (e.g. image merging or 3D images)		

Mandatory Specifications and Components		Specifications and Components Offered	Title, Page and/or Line the Technical Documents
.7	High-quality Plan Apo lenses		
.1	4 X (NA 0.16, WD 13 mm to 16 mm)		
.2	10X (NA 0.4 to 0.45, WD 3 mm to 3.6 mm)		
.3	20X (NA 0.75 to 0.8, WD 0.55 mm to 0.65 mm)		
.4	40X (NA 0.95, WD 0.17 mm to 0.22 mm)		
.5	60X (NA 1.4) (oil) with chromatic correction of 405 to 850 nm at 0.1 µm on X/Y and 0.2 µm on Z		
.8	Illumination for halogen-lamp transmitted light with components for differential interference contrast (DIC), also referred to as "Nomarski" contrast		
.1	Motorized condenser for DIC (NA 0.55 and WD 27 mm)		
.2	DIC cube for filter turret		
.3	Sliding adjustable DIC prism		
.4	Polarizer for DIC		
.5	Nomarski prism for 10X, 20X, 40X, 60X and 100X lenses		
.9	Metal-halide fluorescent illumination system		
.10	Confocal acquisitions in normal fluorescence (four colours):		
.1	Cube to obtain ultraviolet fluorescence (330-380 nm) (e.g. for DAPI)		
.2	Cube to obtain violet fluorescence (380-446 nm)		
.3	Cube to obtain blue fluorescence (446-520 nm) (e.g. for GFP)		
.4	Cube to obtain green-yellow fluorescence (520-590 nm) (e.g. for Texas Red)		
2	Laser scanning and spectral detection confocal microscopic system		
.1	Non-oxidizing silver galvanometer scan unit for maximum reflection of all laser lines (including the 748 nm laser) to the sample (up to 1600 nm)		
.2	Detection unit with four individual channels (PMT) that can be used at the same time (e.g. to combine Alexa 750 with other classic brands of probes such as Alexa 405, Alexa 488, Alexa 560 and Alexa 633)		
.1	Two detectors must allow for spectral separation		
.2	Spectral adjustment with a resolution of 1 nm and recording of an emission spectrum with a resolution of 2 nm between 400 and 800 nm (must have a linear spectral resolution)		

Mandatory Specifications and Components		Specifications and Components Offered	Title, Page and/or Line the Technical Documents
.3	All detectors (PMT) must allow for a separate and independent control of voltage, amplification gain and offset; all detectors must allow for an imaging mode by photon count for samples with low photon flux		
.3	Laser support platform		
.1	With a wavelength selection and attenuation module to allow for laser modulation		
.2	Four diode lasers (semi-conductors): 405, 559, 635 and 748 nm		
.3	Multiline argon laser: 458, 488 and 515 nm		
.4	Transmitted light detector for DIC imaging at the same time as fluorescence acquisition		
.5	Must allow for an effective photobleaching		
.6	High-resolution confocal acquisition software		
.1	Allows scanning on XY, Z, T, spectral, channels, positions/mosaic		
.2	Doing Fluorescence Resonance Energy Transfer (FRET) (tutorial provided)		
.3	Doing Fluorescence Recovery After Photobleaching (FRAP) (tutorial provided)		
.7	The confocal imaging system must be installed on the back port of the inverted microscope to minimize the optical elements in the range and thus increase the efficiency of the light transmission.		
.8	Electrical power stabilizer		
3	Anti-vibration table (36" X 36" X 2")		
.1	Armrest		
.2	Adjustable support arm for monitor and keyboard drawer		
.3	Vertical and horizontal vibration insulation		
.4	Pneumatic suspension		
.5	To support at least 360 kg		
4	Offline image analysis station		
.1	Computer with at least each of the following characteristics:		
.1	Processor: 8 Core, 3.6 GHz frequency, 8 GT/s speed, 25 MB cache		
.2	128 GB RAM (8 X 16 GB) DDR3 (Double Data Rate 3rd generation) ECC (Error Correcting Code) RDIMM (Registered Dual In-Line Memory Module) 1866 MHz		
.3	Solid State hard disk (SSD) (256 GB and 8 GB/s)		

Mandatory Specifications and Components		Specifications and Components Offered	Title, Page and/or Line the Technical Documents
	.4	Additional hard disks that meet the Serial Advanced Technology Attachment (SATA) standard (2 x 2 TB) and Native Command Queuing (NCQ) extension, at 7200 RPM	
	.5	Windows 7 (64 bits Professional)	
	.2	27-inch high-resolution flat screen	
5	Powerful image analysis software (e.g. Imaris from Bitplane) to allow for:		
	.1	Effective 3D and 4D viewing	
	.2	The creation of isosurfaces to quantify surfaces and volumes	
	.3	The measurement of light intensity in points assigned based on time	
	.4	The masking of certain portions of the image	
	.5	The easy annotation of 3D images	
	.6	Spectral deconvolution using blind and non-blind algorithms	
	.7	Colocation analysis	
6	Incubation system (chamber) adapted to the stage		
	.1	Heated support and humidification	
	.2	Lens warmer	
	.3	Support for 35 mm Petri dish	
	.4	Digital control with CO ₂ mixer	
7	Accessories		
	.1	As many standard reference slides, pre-mounted (e.g. with microbeads) that provide specific fluorescence under certain wavelengths as there are wavelengths provided by the lasers (see "Laser support platform", specification # 2.3 on previous page)	

ANNEX B - BASIS OF PAYMENT

B.1 Pricing

B.1.1 Microscope, its Components and Accessories

- (a) Before submitting prices, please refer to clause **6.5 Payment**.
- (b) Please indicate the brand name and model offered and complete the last column of the following table:

Item	Description	Qty	Unit	Firm Lot Price
1	Inverted Confocal Laser Scanning Microscope with Spectral Detection, its Components and Accessories <ul style="list-style-type: none"> • Brand Name Offered: _____ • Model Offered: _____ • As per section A.5 of Annex A. 	1	lot	\$
2	Documentation <ul style="list-style-type: none"> • As per section A.2 of Annex A. 	1	lot	\$
3	Delivery, Unloading, and Installation <ul style="list-style-type: none"> • Goods delivered to the destination as indicated in clause 6.11 Shipping Instructions - Delivery at Destination of this document; • As per section A.3 of Annex A; and • Labour, equipment, travel and living expenses included. 	1	lot	\$

Item	Description	Qty	Unit	Firm Lot Price
4	Training <ul style="list-style-type: none"> • As per section A.4 of Annex A; and • Labour, equipment, travel and living expenses included. 	1	lot	\$
Total Value of the Contract:				\$

B.1.2 Optional Products

- (a) It is not mandatory to bid on the following optional goods.
- (b) Please note that we will not consider the firm lot prices of optional goods during the evaluation of bids.
- (c) If any optional goods have been tendered, bidders grant to Canada the irrevocable option to acquire these optional goods when issuing the contract.
- (d) Please complete the last column of the following table

Description	Qty	Unit	Firm Lot Price
1 One 440 nm laser diode installed on the laser support platform - Installation included in the firm lot price.	1	lot	\$
2 One or more optimized lense (e.g. use of silicone oil) for imaging living cells	1	lot	\$
3 One standalone spectral deconvolution software to increase lateral and axial resolution (installed on the computer) - Installation included in the firm lot price.	1	lot	\$
4 One protective cover	1	lot	\$
5 Immersion oil (35 mL)	1	lot	\$
6 Lens paper (200 sheets)	1	lot	\$
7 Two metal-halide lamps	1	lot	\$
8 Two 100 W 12 V halogen lamps	1	lot	\$
9 Slides adapted to the lenses (quantity = 200)	1	lot	\$

ANNEX C - PRESENTATION OF YOUR BID

C.1 Check List

Below is a checklist of the contents of your bid. This list is not an exhaustive list; it remains the Bidder's responsibility to prepare its bid in accordance with the instructions contained in the Request For Proposal (RFP) and provide a comprehensible and sufficiently detailed bid, including all requested pricing details that will permit a complete evaluation in accordance with the criteria set out in the RFP.

Pagination of <u>Document 1 of 2</u>	
Page 1 	Bidders should include with their bid, the first sheet of this RFP properly completed and signed. Refer to 2003 Standard Instructions mentioned in clause 2.1 Standard Instructions, Clauses and Conditions .
Pagination of <u>Document 2 of 2</u>	
Page 4 	Bidders must submit their bid only to the address indicated in clause 2.2 Submission of Bids .
Page 9	Bidders who are incorporated, including those bidding as a joint venture, must provide with their bid or promptly thereafter a complete list of names of all individuals who are currently directors of the Bidder. Refer to clause 5.1.1 Code of Conduct and Certifications - Related documentation .
Page 12	Bidders should submit with their bid, clause 6.4.3 Contractor's Representatives properly completed.
Pages 17 to 20	Bidders should include with their bid, their technical documents and the table of section A.5 of Annex "A" duly completed.
Pages 21 and 22	Bidders must include with their bid, Annex "B" - Basis of Payment duly completed.