



Trade Agreement: Canadian Free Trade Agreement (CFTA).

Tendering Procedures: Invitation to tenders following instructions on the Supply Arrangement

Competitive Procurement Strategy: Contract against the SA will be awarded to the supplier responding to all mandatory technical criteria and with the lowest price.

Comprehensive Land Claim Agreement: No

Nature of Requirements:

Laboratory and Scientific Equipment, SA E60PV-19EQUI

For:

The purchase of one (1) Real-Time PCR system following the requirements indicated on the tender.
Agriculture and Agri-Food Canada, Eastern Service Center

THIS REQUEST IS RESERVED FOR HOLDERS OF SUPPLY ARRANGEMENT # E60PV-19EQUI ONLY, FOR THE PURCHASE OF LABORATORY AND SCIENTIFIC EQUIPMENT, PARTS AND ACCESSORIES, SERVICES AND SUPPLIES.

Only Suppliers currently pre-qualified on Supply Arrangement E60PV-19EQUI have been invited to bid.

As a requirement of the Supply Arrangement, this notice is published on Buy and Sell Canada for a period of 40 calendar days. The closing date published on this notice identifies how long the notice will be published. For the closing date of any solicitation under the supply arrangement, invited suppliers should refer to the solicitation documents.

Suppliers that do not have a Supply Arrangement for the supply of Laboratory and Scientific Equipment, Parts and Accessories, Services and Supplies with Public Works and Government Services Canada, cannot submit a bid. Any bids received from suppliers not pre-qualified on the Supply Arrangement will not be evaluated.

Suppliers may qualify under Supply Arrangement E60PV-19EQUI for Laboratory and Scientific Equipment, Parts and Accessories, Services and Supplies, at any time. Interested suppliers should download solicitation document E60PV-19EQUI /D from CanadaBuys (SAP Ariba) and submit a response as per the requirements of the Request for Supply Arrangement.

London Research and Development Centre, Agriculture and Agri-Food Canada, has a requirement to purchase one (1) Real-Time PCR system:

The mandatory technical criteria are:

ITEM	CRITERIA	REFERENCE TO SUBSTANTIATION IN THE TECHNICAL BID.
M1 Optical Detection:	Excitation source: 6 to 8 filtered LED light output Detection source: 6 to 8 photodiodes	



	<p>The optical filter sets should be able to detect up to 5 targets per well, ideally with additional FRET application.</p> <p>The photodiode target must include SYBR/FAM, ROX, HEX, Cy5, Cy5-5</p> <p>Chemistries supported: SYBR, HRM</p> <p>Dynamic range: 10</p>	
<p>M2</p> <p>Thermal Cycler:</p>	<p>Maximum ramp rate: 5°C/sec or better</p> <p>Average ramp rate: 3°C/sec or better</p> <p>Accuracy: ±0.2 °C or better</p> <p>Uniformity: ±0.3°C well-to-well or better</p> <p>Gradient operational range: 30-100°C</p>	
<p>M3</p> <p>System:</p>	<p>Sample capacity: 96 wells</p> <p>Remote monitoring</p> <p>Connectivity: USB, Wi-Fi, Network</p> <p>Electrical requirement: 100-240VAC, 50/60Hz, 1100VA</p> <p>1-year standard warranty covering all parts, labour, and travel</p>	
<p>M4</p> <p>Software:</p>	<p>Operating system: Windows 10</p> <p>Protocol Storage: minimum of 5GB</p> <p>Memory: minimum of 1GB RAM</p> <p>Multiplex data analysis: at least 4 targets per well</p> <p>Data export:</p> <p>Easy to save, copy and print all graphs and spreadsheets</p> <p>Copy and paste data into a Microsoft Excel, Word or PowerPoint</p>	



	Image export: Save images as .bmp, .jpg or .png files	
M5 Data analysis application:	Must include: 2-6 channel multiplex analysis End point analysis PCR quantification with standard curve Quantitative and qualitative gene expression analysis Pathogen quantification Genetic mapping Genotyping and allelic discrimination	

The responsive bidder already holding a Supply arrangement for Laboratory and Scientific Equipment, Parts and Accessories, Services and Supplies from Public Works and Government Services Canada who meets the mandatory technical criteria with the lowest aggregate price will be recommended for contract award.