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189 Prince William St Rm 405  
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Saint-John, NB E2L 2B9  
Bid Fax: (506) 636-4376

**SOLICITATION AMENDMENT  
MODIFICATION DE L'INVITATION**

The referenced document is hereby revised; unless otherwise  
indicated, all other terms and conditions of the Solicitation  
remain the same.

Ce document est par la présente révisé; sauf indication contraire,  
les modalités de l'invitation demeurent les mêmes.

**Comments - Commentaires**

**Vendor/Firm Name and Address  
Raison sociale et adresse du  
fournisseur/de l'entrepreneur**

**Issuing Office - Bureau de distribution**  
Saint John, NB (STJ)  
189 Prince William St., Rm 405  
189, rue Prince William, Pc 405  
St. John, NB E2L 2B9

<b>Title - Sujet</b> Liquid Chroma. Mass Spectrometer	
<b>Solicitation No. - N° de l'invitation</b> K8B11-180219/A	<b>Amendment No. - N° modif.</b> 001
<b>Client Reference No. - N° de référence du client</b> K8B11-180219	<b>Date</b> 2017-08-16
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$STJ-005-4154	
<b>File No. - N° de dossier</b> STJ-7-40038 (005)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2017-08-22</b>	
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Lomax (STJ), Sandra	<b>Buyer Id - Id de l'acheteur</b> stj005
<b>Telephone No. - N° de téléphone</b> (506) 636-4362 ( )	<b>FAX No. - N° de FAX</b> (506) 636-4376
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

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

This Solicitation Amendment No. One (1) is raised to include the following Addendum No. One (1).

The following Addendum to the tender is effective immediately. This addendum shall form part of the contract documents.

**All other terms and conditions remain the same.**

### **QUESTION AND ANSWERS**

#### **Question 1.**

Regarding Triple Quadrupole Mass Spec QQQ requirement #1.2.5 – The mass spectrometer must have a maximum scan speed of 16000 Da/s, would the buyer consider the following amendment. *The mass spectrometer must demonstrate maximum scan speeds > 12000 Da/s and faster modes enabling an experiment up to 20000 Da/s. Describe how the specification was achieved and the coverage of the m/z range possible.*

Rationale: modern-chromatography optimized analyte peaks elute from the LC method at 4-8 s peak widths. The resulting SRM measurements are achieved through a well set scheduled parameters against those elution times and their minimum “dwell times” are can be as low as 1 ms. The difference in performance with respect to scheduled SRM peak quant integrity obtained from instrument scan speed settings 12000 when compared to a faster 16000 Da/s does not deliver more scanned points when scanned through a narrow, well scheduled peak. Nor does this bring significant benefit for multiplexing the total number of SRM transitions We recommend to revise and incorporate a requirement to enclose a description of sensitivity metrics and m/z range coverage trade-offs from scanning in increasing increments >12000 Da/s – 20000.

#### **Answer 1.**

We want to keep the requirement 1.2.5 like it is: The mass spectrometer must have a maximum scan speed of at least 16000 Da/s. Note: Vendor must provide definition and conditions of achieving the specified scan speed.

As for describe how the specification was achieved and the coverage of the m/z range possible requested by the bidder, that is why we ask for the vendor to provide the definition and the conditions for achieving the 16000 Da/s or higher.

#### **Question 2.**

Regarding Triple Quadrupole Mass Spec QQQ requirement #1.2.16 – ...must allow threshold triggering to monitor a minimum of 6 MRM transitions when the threshold is met. Would the buyer consider the revision of the requirement to the following: *The system's data acquisition must allow acquisition using dynamic MRM scheduling rather than time domains for more than 1200 MRM transitions in a single run and must allow threshold triggering to monitor a minimum of 3 MRM transitions when the threshold is reached.*

Rationale: The triggering of an additional 3 MRM transitions when a primary MRM transition reaches a pre-specified intensity threshold provides sufficient information on mass characterization of the

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K8B11-180219/A  
Client Ref. No. - N° de réf. du client  
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Amd. No. - N° de la modif.  
001  
File No. - N° du dossier  
STJ-7-40038

Buyer ID - Id de l'acheteur  
STJ005  
CCC No./N° CCC - FMS No./N° VME

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molecule. Furthermore, this balance of 1 primary + 3 qualifying transitions for concise data reporting of quant measurements is widely adopted as standard practice in bioanalytical LC-MS.

**Answer 2.**

We do not want to change it. For library search and compound confirmation, more information we have about the compound, more confident we are with the identification.

**Question 3.**

Regarding section 1.4 Operating/Computer Data System requirement #1.4.4 – 16 Gb of RAM. *We are requesting a revision of this requirement to state 8 Gb of RAM (or greater).*

Rationale: The computers supplied to operate the mass spec instruments undergo validation with respect to tested stability and specification matched configurations. A computer with 8 Gb of RAM is an industry wide desktop computer performance tier. The buyer could ensure the range of vendor submissions cover high sensitivity, high performance and hold to the requirement that a properly tested computer is supplied to enable both data acquisition and data processing.

**Answer 3.**

Want to keep 16 Gb (or greater) RAM. That way we could be multitasking with the computer and run other software if require.