

Customer:

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ACQUITY UPLC Xevo G2-XS System

Quotation No. 22255660 - Expiration Date : 08.04.2020

General information

111030/11575826

Provider:

Waters Pacific Pte Ltd
Joanna Ang
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#02-1/06 The Capricorn
Singapore Science Park II
Singapore 117528

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Quotation

ACQUITY UPLC Xevo G2-XS System

Price Details in SGD

Please reference this quotation when purchase order is issued

Itm	Part No.	Description	Unit Price	Qty	Gross Price	Disc %	Net Price
Xevo G2-XS System							
<i>With the following configuration:</i>							
1	176003480	Xevo G2-XS QToF 4k	551,800.00	1	551,800.00		551,800.00
2	176002847	Oil-Less Vacuum Pump	14,900.00	1	14,900.00		14,900.00
3	176002507	NanoFlow Capability Kit	2,400.00	1	2,400.00		2,400.00
4	176002525	MassLynx Performance Workstation	26,900.00	1	26,900.00		26,900.00
5	668000419	Monitor, 27"	1,700.00	1	1,700.00		1,700.00
6	176002513	MS Ref Stds: TOF G2-S MS Install	1,272.00	1	1,272.00		1,272.00
7	176003487	ionKey Source Kit for Xevo ToF	78,700.00	1	78,700.00		78,700.00
8	176001171	MassLynx Process-Only PC	7,700.00	1	7,700.00		7,700.00
9	668000419	Monitor, 27"	1,700.00	1	1,700.00		1,700.00
10	176001086	TargetLynx	11,200.00	1	11,200.00		11,200.00
11	176016014	ACQUITY UPLC M-Class:uBSM, uSM-FL, TVM	167,200.00	1	167,200.00		167,200.00
12	186006764	iKey, Pep. 150umx50mm BEH C18 130A 1.7um	2,941.00	1	2,941.00		2,941.00
13	205001657	Kit, ionKey Accessories with ZenFit	19,000.00	1	19,000.00		19,000.00
14	176002191	MS Ref Stds: XEVO TQ-S	2,348.00	1	2,348.00		2,348.00
15	186007284	Ionkey Peptide Familiarization Standard	486.00	1	486.00		486.00
16	186007498	ACQ M-Class Sym100 C18 5µm 300µmx50mm	806.00	1	806.00		806.00
17	741000364	XEVO G2 SYSTEM INSTALL CERTIFICATE	25,400.00	1	25,400.00		25,400.00
18	750000645	XEVO G2-S QTOF Proteomic Applications	6,000.00	1	6,000.00		6,000.00
19	750000839	4-day On-Site MS App Training w/eLearn	23,400.00	1	23,400.00		23,400.00
20	176003951	Nano/Micro LC-MS Solvent Install Kit	2,415.00	1	2,415.00		2,415.00
21	205001658	Kit, ionKey Single Pump Trapping, ZenFit	3,400.00	1	3,400.00		3,400.00
ACQUITY UPLC I-Class PLUS System							
<i>With the following configuration:</i>							
22	176015109	ACQ. I-Class PLUS Sys. (CH-A) w/SM-FTN-I	124,500.00	1	124,500.00		124,500.00
23	741000103	UPLC / HPLC SYSTEM INSTALLATION	3,900.00	1	3,900.00		3,900.00
24	750000608	Maintaining the ACQUITY I-Class System	1,400.00	1	1,400.00		1,400.00
25	205000726	CH-A Extension Kit H/I-Class for MS	900.00	1	900.00		900.00
Total					1,082,368.00		1,082,368.00

Quotation

ACQUITY UPLC Xevo G2-XS System

Price Details in SGD

Please reference this quotation when purchase order is issued

System Discount	50.00 %	-541,184.00
Total excluding GST		541,184.00
GST	7.00 %	37,882.88
Total		579,066.88

Joanna Ang
Account Manager

William Chong
Sales Manager

Terms of Payment

30 Days - document date

Shipping Information

DDP

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ACQUITY UPLC Xevo G2-XS System

Detail Product Descriptions

Item	Part No.	Description
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1	176003480	Xevo G2-XS QToF 4k
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The Waters Xevo® G2-XS QToF is a high performance benchtop QToF mass spectrometer incorporating the XS Collision Cell for enhanced sensitivity and selectivity, resulting in the highest quality most comprehensive qualitative information together with the ultimate in quantitative performance.

For the scientist who needs to identify, quantify and confirm the broadest range of compounds in the most complex and challenging samples, the Xevo® G2-XS QToF offers maximum robustness with no compromise in performance, class-leading real-world quantitative sensitivity, flexibility to adapt to changing needs, and is accessible to experts and non-experts alike. STEPWAVE" ION OPTICS

StepWave" ion transfer optics dramatically increases the efficiency of ion transfer from the ion source to the MS analyser at the same time as efficiently eliminating undesirable neutral contaminants. This technology delivers unprecedented levels of robust, durable sensitivity.

2. INTELLISTART" FLUIDICS

The instrument is equipped with an on-board infusion system capable of delivering reference solutions from 3 built-in vial locations. The on-board fluidics system is controlled by the IntelliStart" software to provide automated instrument setup and mass calibration. The reference solutions are delivered via switching valves for either direct or combined (into an LC flow) infusion into the ion source. The valves can in addition be programmed from the software to function as an LC flow divert. If required, the fluidics can be controlled manually via the System Console.

3. QUADRUPOLE ANALYSER

The instrument is equipped with a high performance quadrupole mass analyser. Pre-filters are fitted to the mass analyser to maximise resolution and transmission. The pre-filters also eliminate the need for cleaning of the quadrupole mass analyser. All lens and analyser voltages are digitally controlled. Analyser parameters may be programmed with respect to mass for optimal performance.

4. COLLISION CELL

The instrument is equipped with an XS Collision Cell where the collision energy is under programmable software control. The collision energy and collision gas pressure used during data acquisition are automatically recorded and appended to the relevant data file.

5. TOF ANALYSER

The instrument is equipped with a high performance oaToF mass analyser with a mass range up to m/z 100,000 and a resolving power of 40,000 FWHM.

6. VACUUM SYSTEM

The instrument is equipped with a differentially pumped, automated vacuum system comprising air-cooled turbomolecular pumps and one backing pump (either one rotary pump or one oil free pump). Vacuum read backs and system vent/pump cycles are digitally monitored and controlled, to provide total software control and ensure fail-safe operation in the event of power failure.

The backing option must be ordered separately (See Backing Pump Options for part numbers and descriptions)

LockSpray " API interface#Dual orthogonal interface for robust LC/MS is included.

The standard system does not include the following items, which must be specified separately:

nanoLockSpray" interface for nanoflow chromatography

Additional inlet probes and ion source options (detailed below).

Acquisition PC data system and monitor

Additional Workstation data system terminals.

Printers.

Vacuum backing pump options (rotary pump or oil-free pump)

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ACQUITY UPLC Xevo G2-XS System

Detail Product Descriptions

Itm	Part No.	Description
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HPLC systems or other inlet options.

2	176002847	Oil-Less Vacuum Pump
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3	176002507	NanoFlow Capability Kit
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NanoFlow Capability Kit

Idex flow controller for all nanoFlow applications.

Note: This kit is required for use with the nanoLockspray and Trizaic source options.

4	176002525	MassLynx Performance Workstation
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MassLynx Application Software License and License for OpenLynx"

MassLynx OpenLynx

Summary reports for groups of samples. OpenLynx methods may be configured to include:

1) Analytes found/not found. 2) Purity, 3) Chromatograms, 4) Spectra. OpenLynx reports are portable and may be viewed (read-only) with optional Browser utility without MassLynx software. Mass Spectrometer Control Software

Contains the performance MS workstation as defined in the MassLynx Variant configurator 176706000 and Product Ordering Guide

5	668000419	Monitor, 27"
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6	176002513	MS Ref Stds: TOF G2-S MS Install
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7	176003487	ionKey Source Kit for Xevo Tof
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FOR QUOTING PURPOSES ONLY - Source, iONKEY for Tofs WILL RELEASE Q1 2015

The ionKey Source kit for Xevo Tof contains the ionKey Tof source, the info set, a cable management bracket which aligns the cables and tubing from the UPLC to the source and a Xevo Tof panel which hides the bracket and cables. The ionKey Tof source is designed to accept the iKey and precisely position it into the MS. The source has an external "Stop Flow" button that is used to stop the flow and decompress the kKey before removing it from the source. The source is sealed from environmental interferences decreasing background contamination.

8	176001171	MassLynx Process-Only PC
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Lenovo ThinkStation P500 Series with Windows 7 Professional 64

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ACQUITY UPLC Xevo G2-XS System

Detail Product Descriptions

Item	Part No.	Description
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Processor: Intel® Xeon® E5-1630 v3 Processor (3,7GHz 4c); Operating system: Windows 7 Professional 64 - bit (US English); Form factor: Tower 4x6 Mechanical; Motherboard: P500 - TPM Enabled; Total memory: 32 GB ECC DDR4 2133Ghz (4 x 8GB); Video adapter: NVIDIA K620 (2GB DP), DP -To - DPI Video Converter; Audio adapter: Integrated Audio; RAID: Internal RAID - Not Enabled; Flash - 1x 512GB Hard drive: 2x 4TB SATA 2.5" Hard Drive - 7200 rpm, 1x 6TB 2.5" Hard Drive - 7200 rpm; First optical device bay: Lenovo 16x DVD +/- RW Dual Layer (Windows 7); Networking: Integrated Ethernet 10/100/1000, 1x Intel i350-t2 Ethernet 10/100/1000; Keyboard: Lenovo USB Preferred Pro Full Size Keyboard - US Euro; Pointing device: Lenovo Optical Wheel Mouse - USB Primax 400 DPI; Line Cord: US; Language Pack: English; System Warranty: Non-Return HDD - 4 Year Warranty US/EMEA/AP, Four year on-site warranty (parts and labour); Monitor: None; Printer: None

Note: A Supplemental MassLynx Licence (716001857) is required to install MassLynx and any licenced Application Managers on these workstations

10	176001086	TargetLynx
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The TargetLynx Application Manager is designed for target quantification. It includes all the functionality available in QuanLynx plus comprehensive quality control (QC) features. The identification of target analytes is assured based on user-defined ion ratios. Quality limits are user definable; data failing to meet the defined criteria are automatically flagged. In addition TargetLynx highlights significant results where either the 'surveillance' reporting level or action level is exceeded. QC parameters available include:

- Up to six ion ratios with automated batch to batch up-date.
- Retention time tolerance with automated batch to batch up-date.
- Signal to noise ratio.
- % recovery calculation.
- Calculation of variation in response factor.

TargetLynx fulfills analyte confirmation requirements in food analysis when analyzing for regulated pesticide or antibiotic residues. Additionally, TargetLynx is designed for confirmation of dioxin assays.

When installed on either a Waters 3100 Mass Detector, SQ Detector, TQ Detector, Xevo TQ MS or Xevo TQ-S MS, TargetLynx also includes Quanpedia, QC Monitor and TrendPlot, providing you with compound and method database functionality, pro-active quantitative data quality checking as well as intra- and inter-batch data and performance checking.

11	176016014	ACQUITY UPLC M-Class:uBSM, uSM-FL, TVM
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ACQUITY UPLC M-Class:uBSM, uSM-FL, TVM

The ACQUITY UPLC M-Class Base System has solvent, sample, and trap valve managers. The system is configured for micro-scale binary solvent delivery (¼BSM) and sample introduction with a fixed loop sample manager (SM-FL).

The following items are included as part of this system configuration:

- ACQUITY UPLC M-Class micro Binary Solvent Manager (¼BSM,186016003)
- ACQUITY UPLC M-Class micro Sample Manager # Fixed Loop (¼SM-FL, 186016012)
- ACQUITY UPLC M-Class Trap Valve Manager (TVM,186016016)
- ACQUITY UPLC M-Class System Start Up Kit with Solvent Tray Module (200000405)

Supported Configurations:

- direct injection
- single pump trapping (trap/elute)

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ACQUITY UPLC Xevo G2-XS System

Detail Product Descriptions

Itm	Part No.	Description
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Note: ACQUITY UPLC M-Class Auxiliary Solvent Manager (ASM) is not included in ACQUITY UPLC M-Class configuration. There is no provision for nanolockspray addition in this ACQUITY UPLC M-Class configuration.

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| 12 | 186006764 | iKey, Pep. 150umx50mm BEH C18 130A 1.7um
iKey Peptide BEH C18 Separation Device, 130Å, 1.7 µm, 150 µm X 50 mm, 1/pk |
| 13 | 205001657 | Kit, ionKey Accessories with ZenFit |
| 14 | 176002191 | MS Ref Stds: XEVO TQ-S |
| 15 | 186007284 | Ionkey Peptide Familiarization Standard
Ionkey Quadruple Peptide Familiarization |
| 16 | 186007498 | ACQ M-Class Sym100 C18 5µm 300µmx50mm
ACQUITY UPLC M-Class Symmetry C18 Trap Column, 100Å, 5 µm, 300 µm x 50 mm, 1/pk |
| 17 | 741000364 | XEVO G2 SYSTEM INSTALL CERTIFICATE
Xevo Q-TOF System Installation
Includes:
-System Set up and Specification Testing
-Product Familiarization Training
-1 Year Manufacturers Warranty
-Insight I-Assist Remote Connection |
| 18 | 750000645 | XEVO G2-S QTOF Proteomic Applications |
| 19 | 750000839 | 4-day On-Site MS App Training w/eLearn |
| 20 | 176003951 | Nano/Micro LC-MS Solvent Install Kit
Nano/Micro LC-MS Solvent Install Kit
The Nano/Micro LC-MS Solvent Install Kit is intended to assist in effectively installing new nano or micro flow LC-MS systems by minimizing sources of possible contamination. This kit includes the LC- MS Grade Solvent Kit (186008715) as well as the |

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ACQUITY UPLC Xevo G2-XS System

Detail Product Descriptions

Itm	Part No.	Description
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Waters Certified Container Low Volume Kit (186007278). Additional kit components also include a formic acid additive, aqueous ammonia additive and nitrile gloves.

Note: Because this is a hazardous material and GHS requirements vary from country to country, Waters Corporation is only able to ship this item to specific countries worldwide. If the destination for this order (i.e. the ship to country) is changed to a non-permitted country at any point after this quote was generated, this item will be excluded from the final order.

21	205001658	Kit, ionKey Single Pump Trapping, ZenFit
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22	176015109	ACQ. I-Class PLUS Sys. (CH-A) w/SM-FTN-I
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ACQUITY UPLC I-Class PLUS Core System (CH-A) with SM-FTN-I

The ACQUITY UPLC I-Class PLUS Core System has integrated solvent, sample and column heating configured for binary solvent delivery and sample introduction via a Flow-Through Needle sample manager (SM-FTN-I). The system may be configured with UV-based UPLC optical detectors and any currently supported Waters mass detector, with a choice of instrument control and data management software.

Replaces 176015069

The following items are included as part of the core system:

ACQUITY UPLC I-Class PLUS Binary Solvent Manager (BSM)

ACQUITY UPLC I-Class PLUS Sample Manager # Flow-Through-Needle (SM-FTN-I) configured with textured 15µL stainless steel needle

Column Heater with Active Pre-Heating (CH-A) configured with 0.003"/0.076 mm I.D. Active Solvent Pre-Heater

ACQUITY UPLC Solvent Tray Module

ACQUITY UPLC I-Class PLUS System Start Up Kit

Leak Sensors

ACQUITY UPLC Absorbance Start-Up Solution (700002669)

Information Set

ACQUITY UPLC BEH C18 Column, 2.1 x 50 mm, 1.7 µm

Vials

23	741000103	UPLC / HPLC SYSTEM INSTALLATION
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HPLC System Installation

Includes:

-System Set up and Performance Testing

-Product Familiarization Training

-1 Year Manufacturers Warranty

-Insight I-Assist Remote Connection

24	750000608	Maintaining the ACQUITY I-Class System
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Quotation

ACQUITY UPLC Xevo G2-XS System

Detail Product Descriptions

Itm	Part No.	Description
25	205000726 Extension Arm Kit	CH-A Extension Kit H/I-Class for MS

Quotation

ACQUITY UPLC Xevo G2-XS System

General Sales Terms and Conditions

1. General
Waters Pacific Pte Ltd ("Seller") hereby agrees to sell the products to buy upon the terms and conditions set forth herewith. Seller shall not be bound by any standard or printed terms furnished by the Buyer in any of its documents, unless the Buyer specifically states in writing separately from such terms that it intends such terms to apply and the Seller acknowledges such notification in writing.
2. Price
 - a. Unless otherwise agreed at the time of sale, the price stated is ex-works and exclusive of Goods & Services Tax which shall be chargeable in addition upon supply of goods.
 - b. All quotations and estimates used by Seller are, unless otherwise stated, based on current costs and are subject to amendment on or after acceptance of order by Seller to meet any rise in such costs.
 - c. Any variation to prices quoted as a result of government taxes and levies will be for the Buyer's accounts.
 - d. Written quotations automatically expire 30 calendar days from the date issued and are subject to termination by notice within that period. All orders based on written quotations are subject to Seller's acceptance at its office in 1 Science Park Road #02-01 The Capricorn, Singapore Science Park II, Singapore 117528.
3. Delivery
 - a. Stock items are processed for prompt delivery. Whilst there is no minimum order value there is a minimum charge in respect of packing, handling and delivery. Details of these charges are available on request.
 - b. Notwithstanding that the Seller and the Buyer may agree to deliver the goods at some specified place the delivery of goods to a carrier for the purpose of transmission to the Buyer is deemed to be a delivery of the goods to the Buyer and risk in the goods shall pass accordingly at the moment of delivery to the carrier.
 - c. Inspection and testing and/or installation of the goods is not provided by Seller unless otherwise agreed at the time of sale.
 - d. Seller retains ownership of the goods the property in which shall not pass to Buyer and Buyer shall keep any goods delivered to it as bailee for and on behalf of Seller until Seller has received payment of the price of all the goods (whether or not the goods are delivered in instalments and some have been paid for by Buyer pursuant to these terms) and until such time the Buyer shall store the goods separately or in some other way ensure that the goods are readily identifiable as the property of Seller and at Seller's request either shall deliver up to the goods to Seller or shall permit Seller to enter Buyer's business or other premises to repossess the goods and subsequently re-sell them.
 - e. The provisions of this clause 3(d) shall survive the determination of the contract for whatever reason.
4. Payment
 - a. Payment terms are strictly Net Cash 30 days after delivery of the goods, provided Buyer's credit has been approved or specified in the quote. If the Buyer's credit had not been established with Seller, terms are payment in advance.
 - b. All payments made by Buyer shall be made without any deduction of deferment in respect of any disputes or claims whatsoever and/or in respect of any taxes imposed by or under the authority of any government or public authority.
 - c. Where Seller does not receive payment of any of its invoices within 30 days of the date thereof interest shall thereafter accrue on the sum due and owing to Seller at the rate of 2% per month calculated on a daily basis without prejudice to Seller's right to receive payment within such 30 day period.
 - d. Time for payment shall be of the essence.
5. Confidentiality/Intellectual Property
 - a. Any order received by Seller will be treated as confidential and will not be disclosed or publicised to any third party for any reason without the prior written consent of Buyer. Neither shall Seller use Buyer's name or other identify for advertising or publicity purposes without Buyer's prior written consent.
 - b. The sale of the goods by Seller to Buyer does not confer any right or license upon buyer to use, exploit or otherwise utilise any intellectual property rights subsisting in or relating to the goods of which Seller is a proprietor or to which Seller is otherwise entitled.
6. Specifications
The characteristics and specifications of Seller's products are documented in Seller's technical literature and are approximately only Seller reserves the right to change product specifications without prior notice.
7. Cancellation
An order accepted by Seller may be cancelled only before delivery of the goods and only with the consent of Seller upon terms that Buyer will indemnify Seller against any loss incurred.
8. Return
In no case are products to be returned without first obtaining the consent of the Seller. Only unused products as currently manufactured which have been invoiced by the Seller within 30 days will be considered for return. Products accepted for credit are subject to a 20 per cent service charge plus all transportation charges. Products built to order or not of the original manufacturer of the Seller are not subject to return for credit under any circumstances. Products must be securely packed to reach the Seller without damaged. No returns shall be authorised after 90 days following shipment to buyer.
9. Warranty
The Products and/or services shall be covered by the applicable Waters' standard warranty, a copy of which is supplied with the Products and/or services or upon request. NO OTHER WARRANTY, WHETHER EXPRESS OR IMPLIED, IS MADE WITH RESPECT TO THE PRODUCTS AND/OR SERVICES. WATERS EXPRESSLY EXCLUDES THE IMPLIED WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE. Any model or sample furnished to the Buyer is merely illustrative of the general types and quality of goods and does not represent that the Products will conform to Waters applicable standard warranty. WATERS SHALL NOT BE LIABLE FOR CONSEQUENTIAL, INCIDENTAL, SPECIAL OR ANY OTHER INDIRECT DAMAGES RESULTING FROM ECONOMIC LOSS OR PROPERTY DAMAGE SUSTAINED BY BUYER FROM THE USE OF ITS PRODUCTS OR SERVICES.
10. Termination
 - a. It prior to the delivery of the goods (or any instalment thereof) Seller has reason to believe that Buyer is unable to pay its debts or if Buyer enters into liquidation (other than for the purpose of effecting a reconstruction or amalgamation) whether compulsory or voluntary or compounds with or conveys a meeting of its creditors or has a receiver appointed over all or any part of its assets or takes or suffers any similar action in consequence of a debt or ceases for any reason to carry on business, Seller may terminate the contract by notice in writing to Buyer.
 - b. Termination of the contract personate to Clause 10(a) shall not effect the accrued rights of the parties arising in any way out of such contract as of the date of termination.
11. Variation
Neither Seller or Buyer shall be bound by any variation, waiver of or an addition to, those terms and conditions except as agreed by both parties in writing.
12. Time
Seller will endeavour to dispatch the products on the promised delivery date but does not guarantee to do so.
13. Force Majeure
Waters shall have no liability for failure to perform or delay in performance, in the delivery of any and all equipment manufactured or sold by Waters including instruments, supplies, components, systems, chemistry, accessories, replacement spare parts, or any and all services provided by Waters, caused by circumstances beyond its reasonable control including, but not limited to, acts of God, acts of nature, floods, fire, explosions, war or military mobilisation, United States governmental action or inaction, request of governmental authority, delays of any kind in transportation or inability to obtain material or equipment, acts of other governments, strikes or labour disturbances.
14. Law
The contract shall be deemed to have been made in Singapore and the Parties to the contract hereby submit to the jurisdiction of Singapore courts. Singapore law shall be the proper law of the contract.