

**Customer:**

Dr. Bin Yu  
MANE SEA Pte Ltd  
3 Biopolis Drive, Synapse #07-17/18/19  
Singapore 138623

Email : bin.yu@mane.com  
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**THIS IS A NON OFFICIAL QUOTATION**

**ACQUITY UPLC H-Class w/2D Tech. Core Sys**

**Quotation No. 21644360 - Expiration Date : 22.02.2018**

**General information**

854814/11760056

**Provider:**

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

Email : Joanna\_Ang@Waters.com

Quotation number : 21644360  
 Creation date : 21.01.2018  
 Expiration date : 22.02.2018

## Quotation

### ACQUITY UPLC H-Class w/2D Tech. Core Sys

#### Price Details in USD

**THIS IS A NON OFFICIAL QUOTATION**

| Itm                               | Part No.  | Description                              | Unit Price | Qty | Gross Price | Disc % | Net Price  |
|-----------------------------------|-----------|------------------------------------------|------------|-----|-------------|--------|------------|
| ACQUITY UPLC H-Class Systems      |           |                                          |            |     |             |        |            |
| With the following configuration: |           |                                          |            |     |             |        |            |
| 1                                 | 176015017 | ACQUITY UPLC H-Class w/2D Tech. Core Sys | 128,200.00 | 1   | 128,200.00  |        | 128,200.00 |
| 2                                 | 176015020 | Kit,MS/PDA/TUV Installation Chemistry-2D | 780.00     | 1   | 780.00      |        | 780.00     |
| 3                                 | 176015028 | ACQUITY UPLC TUV Detector                | 23,100.00  | 1   | 23,100.00   |        | 23,100.00  |
| 4                                 | 176015026 | ACQUITY UPLC PDA Detector                | 33,700.00  | 1   | 33,700.00   |        | 33,700.00  |
| 5                                 | 176001060 | ML 4.1 & Standard PC                     | 16,500.00  | 1   | 16,500.00   |        | 16,500.00  |
| 6                                 | 668000249 | Lenovo L1700P 17" LCD Business Black     | 370.00     | 1   | 370.00      |        | 370.00     |
| 7                                 | 741000438 | 2D ACQUITY INSTALLATION CERTIFICATE      | 4,700.00   | 1   | 4,700.00    |        | 4,700.00   |
| 8                                 | 750000523 | ACQ UPLC HClass Sys for Lab Practitioner | 1,900.00   | 1   | 1,900.00    |        | 1,900.00   |
| 9                                 | 750000529 | On-Site MS/App Training -ROW (2 Days)    | 9,900.00   | 1   | 9,900.00    |        | 9,900.00   |
| 10                                | 430002901 | ASSY, TUBING, BSM OUTLET TO SM, I-CLASS  | 89.00      | 1   | 89.00       |        | 89.00      |
| 11                                | 430003002 | ASSY, WELDED TUBE, SST, .007 x 27.0 LG   | 210.00     | 1   | 210.00      |        | 210.00     |
| 12                                | 700005476 | ASSY, WELDED TUBE, SST, 14.5 LG, HP      | 150.00     | 1   | 150.00      |        | 150.00     |
| 13                                | 430003008 | ASSY, WELDED TUBE, SST, .007 x 6.0 LG    | 140.00     | 1   | 140.00      |        | 140.00     |
| 14                                | 700002911 | ASSY, MIXER, HP, 50UL, ZIRCONIA, SPARE   | 310.00     | 1   | 310.00      |        | 310.00     |
| 15                                | 700002911 | ASSY, MIXER, HP, 50UL, ZIRCONIA, SPARE   | 310.00     | 1   | 310.00      |        | 310.00     |
| 16                                | 186015019 | ACQUITY Isocratic Solvent Mgr            | 15,400.00  | 1   | 15,400.00   |        | 15,400.00  |
| Xevo G2-XS System                 |           |                                          |            |     |             |        |            |
| With the following configuration: |           |                                          |            |     |             |        |            |
| 17                                | 176003480 | Xevo G2-XS QToF 4k                       | 384,500.00 | 1   | 384,500.00  |        | 384,500.00 |
| 18                                | 176002847 | Oil-Less Vacuum Pump                     | 9,900.00   | 1   | 9,900.00    |        | 9,900.00   |
| 19                                | 176002088 | APCI                                     | 8,500.00   | 1   | 8,500.00    |        | 8,500.00   |
| 20                                | 176002525 | MassLynx Performance Workstation         | 20,400.00  | 1   | 20,400.00   |        | 20,400.00  |
| 21                                | 176002513 | MS Ref Stds: TOF G2-S MS Install         | 757.00     | 1   | 757.00      |        | 757.00     |
| 22                                | 176001171 | MassLynx Process-Only PC                 | 6,300.00   | 1   | 6,300.00    |        | 6,300.00   |
| 23                                | 668000419 | Monitor, Dell 27" UP2716D Ultrasharp     | 1,200.00   | 1   | 1,200.00    |        | 1,200.00   |
| 24                                | 176001063 | ChromaLynx v4.1                          | 12,000.00  | 1   | 12,000.00   |        | 12,000.00  |
| 25                                | 176001522 | MassFragment v4.1                        | 5,400.00   | 1   | 5,400.00    |        | 5,400.00   |
| 26                                | 176001710 | MetaboLynx XS                            | 16,500.00  | 1   | 16,500.00   |        | 16,500.00  |

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#### Price Details in USD

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| Itm | Part No.  | Description                          | Unit Price | Qty | Gross Price | Disc % | Net Price |
|-----|-----------|--------------------------------------|------------|-----|-------------|--------|-----------|
| 27  | 176003376 | NIST MS/MS Library                   | 680.00     | 1   | 680.00      |        | 680.00    |
| 28  | 741000364 | XEVO G2 SYSTEM INSTALL CERTIFICATE   | 17,500.00  | 1   | 17,500.00   |        | 17,500.00 |
| 29  | 750002005 | Met Id. UPLC/QTOF MS eLearning Track | 1,300.00   | 1   | 1,300.00    |        | 1,300.00  |
| 30  | 176003950 | Analytical LC-MS Solvent Install Kit | 1,583.00   | 1   | 1,583.00    |        | 1,583.00  |
| 31  | 176003432 | Progenesis QI - One Network User     | 56,200.00  | 1   | 56,200.00   |        | 56,200.00 |
| 32  | 740005082 | MAINT - Progenesis QI                | 7,200.00   | 1   | 7,200.00    |        | 7,200.00  |
| 33  | JWSG01234 | METLIN MS/MS library for PQI         | 7,529.41   | 1   | 7,529.41    |        | 7,529.41  |

|              |                   |                   |
|--------------|-------------------|-------------------|
| <b>Total</b> | <b>793,208.41</b> | <b>793,208.41</b> |
|--------------|-------------------|-------------------|

|                 |         |             |
|-----------------|---------|-------------|
| System Discount | 40.00 % | -317,283.36 |
|-----------------|---------|-------------|

|                            |                   |
|----------------------------|-------------------|
| <b>Total excluding GST</b> | <b>475,925.05</b> |
|----------------------------|-------------------|

|     |        |           |
|-----|--------|-----------|
| GST | 7.00 % | 33,314.75 |
|-----|--------|-----------|

|              |                   |
|--------------|-------------------|
| <b>Total</b> | <b>509,239.80</b> |
|--------------|-------------------|

**Joanna Ang**  
Account Manager

**Julius Hiu**  
Sales Manager, Singapore

#### Terms of Payment

CASH ON DELIVERY

## Quotation

### ACQUITY UPLC H-Class w/2D Tech. Core Sys

#### Detail Product Descriptions

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| Itm | Part No. | Description |
|-----|----------|-------------|
|-----|----------|-------------|

|   |           |                                          |
|---|-----------|------------------------------------------|
| 1 | 176015017 | ACQUITY UPLC H-Class w/2D Tech. Core Sys |
|---|-----------|------------------------------------------|

ACQUITY UPLC H-Class with 2D Technology Core System

The ACQUITY UPLC H-Class with 2D Technology Core System has one quaternary solvent manager, one binary solvent manager, a Flow-Through-Needle Sample Manager, a column manager and two (6 port, 2 position) valves. The quaternary solvent manager is used as a loading pump or first dimension pump and the binary solvent manager is used as the second dimension pump. The system may be configured with UPLC optical detectors and any currently supported Waters' mass detector with MassLynx or Empower.

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

- ACQUITY Binary Solvent Manager (BSM)
- ACQUITY UPLC H-Class Quaternary Solvent Manager (QSM)
- ACQUITY UPLC H-Class Sample Manager # Flow-Through-Needle (SM-FTN)
- ACQUITY UPLC Column Manager (CM-A)
- ACQUITY UPLC CM-A 2 Column Tubing Kit
- Two (6 port, 2 position) valves
- An ACQUITY UPLC Startup Kit
- An ACQUITY UPLC 2D Startup Kit
- Leak Sensors
- ACQUITY UPLC Sys. Driver Pack
- Info Set
- ACQUITY UPLC BEH C18 1.7µm 2.1x50mm Column

|   |           |                                          |
|---|-----------|------------------------------------------|
| 2 | 176015020 | Kit,MS/PDA/TUV Installation Chemistry-2D |
|---|-----------|------------------------------------------|

|   |           |                           |
|---|-----------|---------------------------|
| 3 | 176015028 | ACQUITY UPLC TUV Detector |
|---|-----------|---------------------------|

ACQUITY UPLC TUV Detector

The Waters ACQUITY UPLC Tunable UV (TUV) detector is a dual-wavelength Ultraviolet/Visible (UV/Vis) detector for use in the ACQUITY UPLC H-Class system. Optimized for Ultra Performance Liquid Chromatography, the TUV detector's innovative light-guided flow cell and low-noise electronics result in a detector that delivers the utmost in UPLC sensitivity.

Detector wavelength range is 190-700nm. Detector response is linear up to 2.5 AU; dynamic range extends to 4.0 AU. Either single or dual wavelength operating modes are supported. Wavelength spectral scanning, including automatic blank subtraction can be stored in memory. Wavelength ratios, with absorbance threshold control, may be utilized for real time peak purity assessment.

Access to detector status # wavelength, lamp on/off # and diagnostic information is supported through the ACQUITY UPLC System Instrument Console. Instrument communications with the host computer are through Ethernet communications protocols.

Lamp optimization software and low-noise electronics guarantee low noise performance in the visible wavelength range and compensates for lamp degradation over time to ensure consistent response. The combination of lamp optimization software and an automatic second order filter enables operation in the visible wavelength range without requiring a lamp change. The lamp is warranted for 2000 hours.

The 10mm analytical light-guided flow cell delivers sensitivity and resolution to ACQUITY UPLC applications. Low dispersion performance is achieved with a 500 nL internal volume and 62.5 ¼m PEEK interconnectinlet/outlet tubing.

## Quotation

### ACQUITY UPLC H-Class w/2D Tech. Core Sys

## Detail Product Descriptions

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| Itm | Part No. | Description |
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|   |           |                           |
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| 4 | 176015026 | ACQUITY UPLC PDA Detector |
|---|-----------|---------------------------|

ACQUITY UPLC PDA Detector

The ACQUITY UPLC Photodiode Array (PDA) Detector is specifically designed to compliment the ACQUITY UPLC H-Class System. With noise specifications as low as 10  $\frac{1}{4}$ AU, the ACQUITY UPLC PDA offers sensitivity that is unmatched by any photodiode array detector on the market. Further, enhanced software control provides flexibility for simultaneous 2D and 3D operation in either Empower or MassLynx software.

Detector wavelength range is 190-500 nm, with 1.2 nm spectral resolution. Detector response is linear (d5% at 2.0 AU) across the 2.0 AU dynamic range. Detector supports full three-dimensional spectral analysis or multi-wavelength operation (up to eight (8) wavelengths) under Empower Software control.

Lamp optimization software guarantees low noise performance in the visible wavelength range and compensates for lamp degradation over time to ensure consistent response. The combination of lamp optimization software and an automatic second order filter enables operation in the linear wavelength range without requiring a lamp change. The lamp is warranted for 2000 hours.

Results management features supported in Empower software include Spectrum Index Review, Spectral Contrast Peak Purity, Multi-Component Peak Purity, and Spectral Library Matching.

The 10mm analytical light-guided flow cell delivers sensitivity and resolution to ACQUITY UPLC applications. Low dispersion performance is achieved with a 500 nL internal volume and 62.5  $\frac{1}{4}$ m PEEK interconnect inlet/outlet tubing.

|   |           |                      |
|---|-----------|----------------------|
| 5 | 176001060 | ML 4.1 & Standard PC |
|---|-----------|----------------------|

ML 4.1 & Standard PC

MassLynx 4.1 Application Software

Multi-tasking suite of analytical applications and instrument management software operating in Microsoft Windows environment.

MassLynx includes:

Mass Spectrometer Control Software

a) Data acquisition formats.

Scan data can be acquired to file in the following formats:

Centroided data acquisition.

Profile data acquisition.

Multi Channel Analysis (MCA) data acquisition.

b) MS acquisition functions.

The following data acquisition functions are available:

MS scanning.

MS selected ion recording.

Polarity mode switching.

Ionisation mode switching (ESCI)

External contact start/stop/events.

Analogue channel acquisition via a SATIN module.

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### ACQUITY UPLC H-Class w/2D Tech. Core Sys

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|-----|----------|-------------|

c) Tuning Utilities.

The system features easy-to-use automated and manual tuning and calibration software tools. Tuning parameters include:

Ionisation mode and polarity.

MS acquisition.

All ion source parameters.

All lens voltages.

MS1 resolution.

MS1 ion energy.

Photo-multiplier gain.

d) Inlet Control Software

Integrated control of specific Waters LC, autosampler and detector systems

Third party LC and autosampler systems from specified vendors

e) Data processing and review:

Spectrum Review and Processing

Chromatogram Review and Processing

3-D Contour plotting

Spectral library search facilities (user defined or commercial libraries)

Batch processing of qualitative and quantitative sample sets:

OpenLynx Application Manager

OpenLynx Processing provides summary reports for groups of samples. OpenLynx methods may be configured to include:

1) Analytes found/not found.

2) Purity

3) Probable elemental composition (with Exact Mass Measurement Instrumentation)

4) Chromatograms

5) Spectra. OpenLynx reports are portable and may be viewed (read-only) with optional Browser utility without MassLynx software.

License to operate software on one workstation.

Lenovo ThinkStation C30 with Windows 7 Professional 64

Processor: Intel® Xeon® E5-2620 Processor (2.0GHz 6c); Operating system: Windows 7 Professional 64 - bit (US English);

Form factor: Tower 4x6 Mechanical; Motherboard: C30 - TPM Enabled; Total memory: 8 GB ECC PC3 UDIMM 1333MHZ (4 x

2GB); Video adapter: NVIDIA Quadro 400 (512MB DVI+DP), DVI -To - VGA Video Converter; Audio adapter: Integrated

Audio; RAID: Internal RAID - Not Enabled; First hard drive bay: 2TB SATA 3.5" Hard Drive - 7200 rpm; First optical device

bay: Lenovo 16x DVD +/- RW Dual Layer (Windows 7); Networking: Dual Integrated 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 - 3 Year Warranty US/EMEA/AP, Three year

on-site warranty (parts and labour); Monitor: None; Printer: None

## Quotation

### ACQUITY UPLC H-Class w/2D Tech. Core Sys

#### Detail Product Descriptions

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| Itm | Part No.  | Description                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6   | 668000249 | <b>Lenovo L1700P 17" LCD Business Black</b><br>IBM 17" Flat Panel Monitor                                                                                                                                                                                                                                                                                                                                                                                 |
| 7   | 741000438 | <b>2D ACQUITY INSTALLATION CERTIFICATE</b>                                                                                                                                                                                                                                                                                                                                                                                                                |
| 8   | 750000523 | <b>ACQ UPLC HClass Sys for Lab Practitioner</b>                                                                                                                                                                                                                                                                                                                                                                                                           |
| 9   | 750000529 | <b>On-Site MS/App Training -ROW (2 Days)</b><br>On-Site MS/Application Training - ROW (2 Days)                                                                                                                                                                                                                                                                                                                                                            |
| 10  | 430002901 | <b>ASSY, TUBING, BSM OUTLET TO SM, I-CLASS</b>                                                                                                                                                                                                                                                                                                                                                                                                            |
| 11  | 430003002 | <b>ASSY, WELDED TUBE, SST, .007 x 27.0 LG</b><br>Assy, Welded Tube SST, 0.007 x 27.0 LG                                                                                                                                                                                                                                                                                                                                                                   |
| 12  | 700005476 | <b>ASSY, WELDED TUBE, SST, 14.5 LG, HP</b><br>Welded Tube Assy, SST, 14.5 LG, HP                                                                                                                                                                                                                                                                                                                                                                          |
| 13  | 430003008 | <b>ASSY, WELDED TUBE, SST, .007 x 6.0 LG</b>                                                                                                                                                                                                                                                                                                                                                                                                              |
| 14  | 700002911 | <b>ASSY, MIXER, HP, 50UL, ZIRCONIA, SPARE</b><br>50µL Std Zirconia Mixer                                                                                                                                                                                                                                                                                                                                                                                  |
| 16  | 186015019 | <b>ACQUITY Isocratic Solvent Mgr</b>                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 17  | 176003480 | <b>Xevo G2-XS QTof 4k</b><br>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.<br>For the scientist who needs to identify, quantify and confirm the broadest range of compounds in the most complex and |

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|------|----------|-------------|

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)

HPLC systems or other inlet options.

|    |           |                      |
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| 18 | 176002847 | Oil-Less Vacuum Pump |
|----|-----------|----------------------|

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| Itm | Part No.  | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 19  | 176002088 | <b>APCI</b><br>APCI IonSABRE II<br>Dedicated probe option for atmospheric pressure chemical ionisation (APCI). The interface can be used at up to 2 ml/min without the need for flow splitting (not recommended APCI probe option for Xevo TQ).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 20  | 176002525 | <b>MassLynx Performance Workstation</b><br>MassLynx Application Software License and License for OpenLynx"<br>MassLynx OpenLynx<br>Summary reports for groups of samples. OpenLynx methods may be configured to include:<br>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.<br>MassLynx 4.1 Security<br>Not available.<br>Mass Spectrometer Control Software<br>Lenovo ThinkStation P710 Series with Windows 7 Professional 64<br>Processor: 2x Intel® Xeon® E5-2637 v4 Processor (3,5GHz 4c); Operating system: Windows 7 Professional 64 - bit (US English); Form factor: Tower 4x6 Mechanical; Motherboard: P710 - TPM Enabled; Total memory: 64 GB; Video adapter: NVIDIA K620 (2GB DP), DP -To - DPI Video Converter; Audio adapter: Integrated Audio; RAID: Internal RAID - Not Enabled; Flash - 2x 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 |
| 21  | 176002513 | <b>MS Ref Stds: TOF G2-S MS Install</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 22  | 176001171 | <b>MassLynx Process-Only PC</b><br>Lenovo ThinkStation P500 Series with Windows 7 Professional 64<br>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<br>Note: A Supplemental MassLynx Licence (716001857) is required to install MassLynx and any licenced Application Managers on these workstations                                                                                                                                                                                                                                                                                                |

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## Detail Product Descriptions

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| Itm | Part No.  | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 23  | 668000419 | <b>Monitor, Dell 27" UP2716D Ultrasharp</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 24  | 176001063 | <b>ChromaLynx v4.1</b><br>ChromaLynx v4.1<br>The ChromaLynx. Application Manager is designed to automatically process complex chromatographic datasets composed of many components which may be incompletely separated from one another. ChromaLynx operates with GC/MS or GC/MS/MS and LC/MS or LC/MS/MS data.<br>ChromaLynx provides exceptional efficiency for the location, peak detection and generation of 'clean' mass spectra of closely eluting components in complex mixtures with the ability to retain exact mass measurements where available through a proprietary chromatographic deconvolution algorithm.<br>ChromaLynx provides:<br>Automatic deconvolution of complex chromatograms<br>A list of unique (or common) components<br>Deconvoluted mass spectra<br>Automatic library searching against commercially available libraries<br>Comparison of deconvoluted chromatograms<br>Semi-quantitative reporting of deconvoluted component concentrations<br>ChromaLynx comparison browser for data review.                                                                                                                                                                                                                                                                     |
| 25  | 176001522 | <b>MassFragment v4.1</b><br>MassFragment v4.1<br>MassFragmentTM software for automated product ion spectra assignment using known precursor structure. Benefits from accurate mass information. Used directly from Spectrum or integrates with MetaboLynx XS & ChromaLynx.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 26  | 176001710 | <b>MetaboLynx XS</b><br>MetaboLynx XS<br>The MetaboLynx XS Application Manager facilitates data analysis in the detection and identification of expected and unexpected metabolites. The software detects putative biotransformations without requiring operator-supplied predictions of metabolic fate.<br>Metabolynx xS application Manager features:<br>Reports results via a data browser that enables analysts to quickly review the evidence that support each automated metabolic assignment, either locally or remotely via a secure corpora network.<br>Compares and contrasts each metabolized sample with a control sample.<br>Samples from in vitro incubations or in vivo dosing experiments can be quickly analyzed by UPLC/MS, followed by a multi-dimensional data search that correlates retention time, m/z val intensity, and components from alternative detection technologies (e.g. photodiode array UV or radiochemical monitoring).<br>Exact mass data filtering capabilities with MSE allow you to set a low threshold and post-filter the data, easily removing false positives to ensure that important information is neve missed.<br>Mass Defect Filter, a post-acquisition data filtering technique used with a dealkylation algorithm tool, is based on the mass |

## Quotation

### ACQUITY UPLC H-Class w/2D Tech. Core Sys

## Detail Product Descriptions

# THIS IS A NON OFFICIAL QUOTATION

| Itm | Part No. | Description |
|-----|----------|-------------|
|-----|----------|-------------|

defect of the parent drug and its metabolites. It allows researchers to rationalize expected and unexpected metabolites more efficiently and minimize the number of fa positives, and from this initial step, generate an extensive expected metabolite list.

MassFragment, a chemically-intelligent structural elucidation tool, assigns structures by taking fragment ion spectra of the drug and/or metabolite, using it to automatically calculate fragments based on a series of novel chemically intelligent algorithms.

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| 27 | 176003376 | NIST MS/MS Library |
|----|-----------|--------------------|

|    |           |                                    |
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| 28 | 741000364 | XEVO G2 SYSTEM INSTALL CERTIFICATE |
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Xevo Q-TOF System Installation

Includes:

- System Set up and Specification Testing
- Product Familiarization Training
- 1 Year Manufacturers Warranty
- Insight I-Assist Remote Connection

|    |           |                                      |
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| 29 | 750002005 | Met Id. UPLC/QTOF MS eLearning Track |
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Met Id. UPLC/QTOF MS eLearning Track

|    |           |                                      |
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| 30 | 176003950 | Analytical LC-MS Solvent Install Kit |
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Analytical LC-MS Solvent Install Kit

The Analytical LC-MS Solvent Install Kit is intended to assist in effectively installing new LC-MS systems by minimizing sources of possible contamination. This kit includes the LC-MS Grade Solvent Kit (186008715) as well as the Waters Certified Container Kit (186007088). 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.

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| 31 | 176003432 | Progenesis QI - One Network User |
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| 32 | 740005082 | MAINT - Progenesis QI |
|----|-----------|-----------------------|

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| 33 | JWSG01234 | METLIN MS/MS library for PQI |
|----|-----------|------------------------------|

Quotation number : 21644360  
Creation date : 21.01.2018  
Expiration date : 22.02.2018

## Quotation

ACQUITY UPLC H-Class w/2D Tech. Core Sys

## Detail Product Descriptions

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## Quotation

### ACQUITY UPLC H-Class w/ 2D Tech. Core Sys

## 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 pursuant 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.