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Waters AutoPurification System

Quotation No. 22428224 - Expiration Date : 14.11.2020

General information

860841/12035392

Provider:

Waters Pacific Pte Ltd
Joanna Ang
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Singapore Science Park II
Singapore 117528

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Quotation

Waters AutoPurification System

Price Details in SGD

Please reference this quotation when purchase order is issued

Itn	Part No.	Description	Unit Price	Qty	Gross Price	Disc %	Net Price
Waters AutoPurification System							
With the following configuration:							
1	176003183	AutoPurification Core System w/o SFO	160,800.00	1	160,800.00	-50.00%	80,400.00
2	716000765	KIT, SAMPLE, AUTO-PURIFICATION INJECT-CO	427.00	1	427.00	-50.00%	213.50
3	716000261	STANDARD FRACTION LYNX	840.00	1	840.00	-50.00%	420.00
4	176003208	ACQUITY QDa Detector (Performance)	109,600.00	1	109,600.00	-50.00%	54,800.00
5	176001064	FractionLynx	12,900.00	1	12,900.00	-50.00%	6,450.00
6	176001303	ML Standard PC for AutoPurification	21,800.00	1	21,800.00	-50.00%	10,900.00
7	668000273	MONITOR, Lenovo ThinkVision Flat Panel	990.00	1	990.00	-50.00%	495.00
8	186002488	WATERS PREP DEGASSER	15,000.00	1	15,000.00	-50.00%	7,500.00
9	205000115	KIT, 2767 18MM FRACTION COLLECTOR RACK	530.00	1	530.00	-50.00%	265.00
10	741000322	FRACTIONLYNX MS INSTALLATION CERT	19,600.00	1	19,600.00	-50.00%	9,800.00
11	750000307	Purif. of Compounds using FractionLynx	5,400.00	1	5,400.00	-50.00%	2,700.00
12	186001371	Atlantis dC18 10µm 19 x 250mm Column	6,352.00	1	6,352.00		6,352.00
13	186009338	Nitrogen Generator, Genius SQ24, 230V	24,900.00	1	24,900.00	-30.00%	17,430.00
14	176003207	ACQUITY QDa Detector (Standard)	101,600.00	1	101,600.00	-50.00%	50,800.00
15	176002670	SQD 2	205,600.00	1	205,600.00	-50.00%	102,800.00
16	176003950	Analytical LC-MS Solvent Install Kit	2,671.00	1	2,671.00	-50.00%	1,335.50
17	176003265	Startup Kit, LC Prep and QDa System	1,900.00	1	1,900.00	-50.00%	950.00
18	700009642	ESI PROBE ASSEMBLY 500mm	770.00	1	770.00	-50.00%	385.00
Total					691,680.00		353,996.00

Total excluding GST						182,966.00	
GST						7.00 %	12,176.04
Total						195,773.62	

Joanna Ang
Account Manager

William Chong
Sales Manager

Quotation

Waters AutoPurification System

Price Details in SGD

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Terms of Payment

CASH ON DELIVERY

Shipping Information

DDP

Quotation

Waters AutoPurification System

Optional Products

Please reference this quotation when purchase order is issued

Itm	Part No.	Description	Unit Price	Qty	Gross Price	Disc %	Net Price
<i>With the following configuration:</i>							
19	176600010	FlexCHOICE" Coverage for Waters AutoPurification System	49,600.00	1	49,600.00	-30.00%	34,720.00

Quotation

Waters AutoPurification System

Detail Product Descriptions

Itm	Part No.	Description
1	176003183	AutoPurification Core System w/o SFO The core components of the Autopurification system less the SFO allow for large scale fraction collection and future system expansion capabilities. The 2545BGM is designed for analytical to prep scalability with low delay volume and high pressure mixing. 2767 offers large scale fraction collection capacity and separate analytical and prep flow paths for scalability with out compromise. An eight port ethernet hub is provided for instrument communications. The start-up kit provides the tubings and fittings needed to plumb the system. The following items are included as part of the core standard system: 186025450 2545 Binary Gradient Module 200000234 KIT, STARTUP, AUTOPURIFICATION SYSTEM 725000299 2767 SAMPLE MANAGER 725000455 SWITCH, ETHERNET, 10/100, 8 PORT
2	716000765	KIT, SAMPLE, AUTO-PURIFICATION INJECT-CO AutoPurification System Standard
3	716000261	STANDARD FRACTION LYNX
4	176003208	ACQUITY QDa Detector (Performance) The ACQUITY QDa Detector is a mass detector designed as a synergistic element of a chromatographic separations system. Confirm compound identity with qualitative mass spectral data, complementing quantitative optical data. Quantify compounds with no UV response or at levels not accessible by optical detection. Compact for minimized lab space requirements. Integrated flow path for reduced dispersion. Adjustment-free atmospheric pressure ionisation (API) electrospray (ES) interface for reliability. Compatible with HPLC, UPLC, SFC and UPC2 flow rates of 50 ul/min # 2 ml/min. Disposable sample orifice for minimized maintenance and maximized repeatability. Positive and negative ion switching capability for enhanced compound coverage. Tool-free maintenance. Dual off-axis ion guides for elimination of neutral noise with increased sensitivity and robustness. Automated mass calibration and resolution verification for consistent data quality. Automatically-optimized single ion recording (SIR) and full scan (FS) analysis in m/z range 30-1250 for enhanced data acquisition. Orthogonal, in-vacuum Dynolite photomultiplier detector for stability, elimination of neutral noise and longevity. Clean, differentially pumped, automated vacuum system comprising air-cooled split flow turbomolecular drag pump (TMP) and rotary vane vacuum backing pump. Fail-safe operation for unattended analysis. Autosensing 100-240 V ac ((50/60 Hz). Performance option features extended linear dynamic range and lowered limit of detection. Integrated control & data processing with Empower 3, Empower 2 & MassLynx 4.1.
5	176001064	FractionLynx FractionLynx v4.1 Includes FractionLynx Software, OpenLynx Open Access Software, and 10 FractionLynx Browser licenses for data review on workstations which do not have MassLynx installed The FractionLynx Application Manager is a high performance software application that operates with MassLynx Software.

Quotation

Waters AutoPurification System

Detail Product Descriptions

Itm	Part No.	Description
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FractionLynx automates the collection of detected fractions, tracks samples and fractions, and then presents the data in an easy-to-view format via the FractionLynx Browser. FractionLynx can trigger fractions using a variety of detector signals including UV, MS, ELSD and RI.

AutoPurify, a feature of the FractionLynx Application Manager, enables users to allow the software to:

Automatically screen samples to determine the preparative strategy in an analytical-scale separation

Choose an appropriate method for each sample in a batch and purify it

Screen fractions to determine the next process step

The FractionLynx Application Manager provides a variety of collection options including:

One-to-one mapping to retain plate format

Secondary collection of peaks that are not of primary concern but that are not classified as waste

Waste collection to ensure no sample material is lost

Coupling FractionLynx with the OpenLynx OALogin interface permits operation in a walk-up and walk-away environment.

Through a single-page login or step-through wizard users can submit samples for purification. Results can be e-mailed to users, viewed with the FractionLynx Browser, or printed in a customized format.

The FractionLynx package includes OpenLynx Open Access and a 10-license pack for the FractionLynx Browser.

6	176001303	ML Standard PC for AutoPurification
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MassLynx" Workstation with License

MassLynx Application Software License includes key disc for FractionLynx"

Includes GPIB card with IEEE cable

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

7	668000273	MONITOR, Lenovo ThinkVision Flat Panel
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Monitor, Lenovo Thinkvision Flat Panel

22 inch monitor

8	186002488	WATERS PREP DEGASSER
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9	205000115	KIT, 2767 18MM FRACTION COLLECTOR RACK
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Fraction Collector 18 mm Rack Kit

10	741000322	FRACTIONLYNX MS INSTALLATION CERT
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FractionLynx MS System Installation

Includes:

-System Set up and Specification Testing

-Product Familiarization Training

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Waters AutoPurification System

Detail Product Descriptions

Item	Part No.	Description
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		-1 Year Manufacturers Warranty -Insight I-Assist Remote Connection
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11	750000307	Purif. of Compounds using FractionLynx
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Purification of Compounds using FractionLynx

This course covers operation of the MS based Autopurification system and of the FractionLynx Application Manager. An overview of MassLynx will be provided along with a review of MS theory.

12	186001371	Atlantis dC18 10µm 19 x 250mm Column
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Atlantis dC18 OBD Prep Column, 100Å, 10 µm, 19 mm X 250 mm, 1/pk

13	186009338	Nitrogen Generator, Genius SQ24, 230V
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14	176003207	ACQUITY QDa Detector (Standard)
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The ACQUITY QDa Detector is a mass detector designed as a synergistic element of a chromatographic separations system. Confirm compound identity with qualitative mass spectral data, complementing quantitative optical data. Quantify compounds with no UV response or at levels not accessible by optical detection.

Compact for minimized lab space requirements. Integrated flow path for reduced dispersion. Adjustment-free atmospheric pressure ionisation (API) electrospray (ES) interface for reliability. Compatible with HPLC, UPLC, SFC and UPC2 flow rates of 50 µl/min # 2 ml/min. Disposable sample orifice for minimized maintenance and maximized repeatability. Positive and negative ion switching capability for enhanced compound coverage. Tool-free maintenance.

Dual off-axis ion guides for elimination of neutral noise with increased sensitivity and robustness. Automated mass calibration and resolution verification for consistent data quality. Automatically-optimized single ion recording (SIR) and full scan (FS) analysis in m/z range 30-1250 for enhanced data acquisition. Orthogonal, in-vacuum Dynolite photomultiplier detector for stability, elimination of neutral noise and longevity.

Clean, differentially pumped, automated vacuum system comprising air-cooled split flow turbomolecular drag pump (TMP) and integrated & quiet dry (oil-free) exhaust-free vacuum backing pump. Fail-safe operation for unattended analysis. Autosensing 100-240 V ac ((50/60 Hz).

Standard option features integrated vacuum backing pump for enhanced compactness and reduced noise & maintenance. Integrated control & data processing with Empower 3, Empower 2 & MassLynx 4.1.

15	176002670	SQD 2
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The Waters SQ Detector 2 is a compact, bench-top quadrupole API mass spectrometer.

The system features automated set-up technology and fast acquisition capability for simple, rapid LC/MS.

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

Z SPRAY" API interface Dual orthogonal interface for robust LC/MS IntelliStart" fluidics#Automated tuning, calibration and method development

Electrospray (ESI) inlet probe#for efficient ionization of a wide range of compounds

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Waters AutoPurification System

Detail Product Descriptions

Item	Part No.	Description
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ESCI™ ionization capability#rapid switching source for both ESI and APCI in the same run.

TargetLynx™ Application manager (requires license as provided with PC below)

OpenLynx™ Application manager (requires license as provided with PC below)

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

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

Acquisition PC data system and monitor Additional Workstation data system terminals.

Printers.

Additional MassLynx™ options (detailed below).

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

HPLC systems or other inlet options.

1. Z SPRAY™ API INTERFACE

This instrument is equipped with an atmospheric pressure ionisation (API) LC interface. The source and spraying elements are visible through a transparent window in the enclosure and are easily accessible via a quick-release mechanism. The source elements may be wiped clean in situ or removed for cleaning without the need for tools and without breaking vacuum. The nebulized spray is orientated orthogonally and positioned off axis for maximum source longevity and analyser protection against 'dirty' samples. The source also includes facilities for de-clustering ions formed at atmospheric pressure. Positive and negative capability is included. Positive ion, negative ion and ESCI™ capability is available as standard (allowing rapid switching between ESI and APCI, positive and negative in the same run). All source voltages and gases are under data system control.

2. INTELLISTART™ FLUIDICS

The instrument is equipped with an on-board infusion system capable of delivering reference solutions from 2 built-in vial locations. The on-board fluidics system is controlled by the IntelliStart software to provide automated instrument setup, mass calibration and method development. The reference solutions are delivered via switching valves for either direct or combined (into an LC flow) infusion into the API 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. VACUUM SYSTEM

Clean, differentially pumped, automated vacuum system comprising: Air-cooled Pfeiffer split flow turbomolecular drag pump evacuating both the source & analyzer. 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.

4. DETECTOR Dynalite photomultiplier detector. A High Voltage conversion dynode and phosphor are positioned at 90° off-axis to the analyzer for the elimination of neutral noise. The photomultiplier is enclosed in its own vacuum envelope for long life. The detector operates in both positive and negative ion modes, and can switch rapidly under software digital control.

5. MASSLYNX™ SOFTWARE / MS Workstation

The MS Workstation and MassLynx 4.1 License for the application software for instrument control, data acquisition and processing must be ordered separately (See MS Workstation section for part numbers and descriptions)

Post acquisition processing and general data manipulation can be carried out by an additional computer workstation and software installation (See the MassLynx Process-only Workstations section of the MassLynx Variant configurator 176706000).

16 176003950 Analytical LC-MS Solvent Install Kit

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

Quotation

Waters AutoPurification System

Detail Product Descriptions

Itm	Part No.	Description
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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.

17	176003265	Startup Kit, LC Prep and QDa System
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18	700009642	ESI PROBE ASSEMBLY 500mm ESI Probe Assembly, 500 mm x 100 µm
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19	176600010	FlexCHOICE" Coverage for Waters AutoPurification System
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Seamless coverage for the 24 months
No. of Performance Maintenance Visits: 2
Service Level: Standard
Response Time: Standard

Covered Modules:
QDA - UPLC QDA Detector
2545 - BGM
2767 - Injector/Collector
DEGASSER - DEGASSER

Quotation

Waters AutoPurification 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.