

Customer:

Prof. Ganesh Srinivasan Anand
National University of Singapore
Department of Biological Sciences
BLK S2 LVL 2, PPC, 14 SCIENCE DRIVE 4
Singapore 117543

Email : dbsgsa@nus.edu.sg
Tel : 6565167722
Fax : 65 6779 2486

SYNAPT XS HDMS 32k

Quotation No. 22371435 - Expiration Date : 06.09.2020

General information

834755/10465487

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

SYNAPT XS HDMS 32k

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
SYNAPT System							
<i>With the following configuration:</i>							
1	176004587	SYNAPT XS HDMS 32k	959,200.00	1	959,200.00		959,200.00
2	176003946	Dry Vacuum EBARA pump	27,000.00	1	27,000.00		27,000.00
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	176002514	MS Ref Stds: SYNAPT G2-S HDMS Install	2,998.00	1	2,998.00		2,998.00
7	741000335	Synapt HDMS Installation Certificate	33,100.00	1	33,100.00		33,100.00
8	750000839	4-day On-Site MS App Training w/eLearn	23,400.00	1	23,400.00		23,400.00
9	176003950	Analytical LC-MS Solvent Install Kit	2,671.00	1	2,671.00		2,671.00
10	176001921	PGS Std Server	28,500.00	1	28,500.00		28,500.00
11	ZLC-NFBS	NanoFlow Glass capillary Option	1,600.00	1	1,600.00		1,600.00
12	XLC-NFBSC	Glass type c (10off)	240.00	1	240.00		240.00
13	668000419	Monitor, 27"	1,700.00	1	1,700.00		1,700.00
14	176001068	MaxEnt 1 v4.1	15,900.00	1	15,900.00		15,900.00

Total		1,127,309.00	1,127,309.00
--------------	--	---------------------	---------------------

System Discount	40.00 %	-450,923.60
-----------------	---------	-------------

Total excluding GST	676,385.40
----------------------------	-------------------

GST	7.00 %	47,346.98
-----	--------	-----------

Total	723,732.38
--------------	-------------------

Joanna Ang
Account Manager

William Chong
Sales Manager

Quotation

SYNAPT XS HDMS 32k

Price Details in SGD

Please reference this quotation when purchase order is issued

Terms of Payment

30 Days - document date

Shipping Information

DDP

Quotation

SYNAPT XS HDMS 32k

Optional Products

Please reference this quotation when purchase order is issued

Itm	Part No.	Description	Unit Price	Qty	Gross Price	Disc %	Net Price
15	186009340	Nitrogen Generator, Genius XE35, 230V	32,400.00	1	32,400.00	-40.00%	19,440.00
16	176002506	Synapt G2-S ETD Option	79,200.00	1	79,200.00	-40.00%	47,520.00

Quotation

SYNAPT XS HDMS 32k

Detail Product Descriptions

Itm	Part No.	Description
1	176004587	SYNAPT XS HDMS 32k
2	176003946	Dry Vacuum EBARA pump The Ebara EV-SA30 incorporates totally clean multi-stage Roots technology with no oil or tip seal dust contamination risk. No annual service is required and it has 80% lower power consumption and 50% smaller footprint compared to two rotary vane pumps giving a similar combined pumping speed.
3	176002507	NanoFlow Capability Kit 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 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
6	176002514	MS Ref Stds: SYNAPT G2-S HDMS Install
7	741000335	Synapt HDMS Installation Certificate Synapt G2-S HDMS Installation Certificate Includes: -System Set up and Specification Testing -Product Familiarization Training -1 Year Manufacturers Warranty -1 Year Software Support and Restore Service -Insight I-Assist Remote Connection
8	750000839	4-day On-Site MS App Training w/eLearn

Quotation

SYNAPT XS HDMS 32k

Detail Product Descriptions

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

9	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 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.

10	176001921	PGS Std Server
-----------	------------------	-----------------------

The performance MS Workstation with GPU only (See the MassLynx Workstations section of the MassLynx Variant configurator 176706000 or Product Ordering Guide for technical specifications).

Also used for PGS Std Server

11	ZLC-NFBS	NanoFlow Glass capillary Option
-----------	-----------------	--

Borosilicate Capillary (NanoFlow)

Requires NanoFlow interface for use with gold-coated borosilicate glass capillary tips (pack of 10 tips included). Suitable for single shot analyses. A small volume of sample (~1microlitre) is loaded into a fresh tip, which is placed in the Nano-Flow carrier. This technique requires more operator skill than option FS and the cost of consumables (borosilicate tips) is higher. However, this option yields lower flow rates (<30nl/min) than the fused silica option and hence a smaller sample consumption for a given spectral quality.

Note - No LC pump is required for this option.

12	XLC-NFBSC	Glass type c (10off)
-----------	------------------	-----------------------------

13	668000419	Monitor, 27"
-----------	------------------	---------------------

14	176001068	MaxEnt 1 v4.1
-----------	------------------	----------------------

MaxEnt 1 v4.1

Deconvolution of multiply charged MS data to the zero charge state MaxEnt 1 is a proprietary software tool for the deconvolution of multiply charged electro-spray spectra with enhancement of spectral resolution and signal to noise. Complex biopolymer mass spectra, containing molecular ions in a related series of charge states are re-plotted into a homogenous (virtual Z = 0) charge state representation. The power of probabilistic techniques allows the inference of a single molecular

Quotation

SYNAPT XS HDMS 32k

Detail Product Descriptions

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

mass peak from a series of multiply charged m/z peaks in the raw data. The inference improves resolution and also enhances signal to noise. MaxEnt1 is optimized for high mass species.

MaxEnt automatically finds the molecular weights of the components in a protein mixture without any knowledge other than that they lay within a specified mass range. This can be large e.g. 5-100kDa.

The reconstructed MaxEnt spectrum exhibits enhanced resolution and signal to-noise ratio. The reliability of the result can be assessed by probabilistic methods. Thus a probable error range can be calculated for each mass.

MaxEnt data are as quantitative as any ES-MS data. The areas under the peaks in the MaxEnt profile spectrum are representative of the summed intensities of each component's multiply-charged series in the original M/z data.

MaxEnt retains the mass accuracy given by Transform on components that are adequately resolved in the original data.

In addition, because of its ability to reveal resolution of peaks which is not apparent in the raw data, MaxEnt allows the mass measurement of components which were previously too poorly resolved for mass measurement in the transformed spectrum. (Requires 176001087 in USA)

15	186009340	Nitrogen Generator, Genius XE35, 230V
-----------	------------------	--

16	176002506	Synapt G2-S ETD Option
-----------	------------------	-------------------------------

SYNAPT G2-S ETD Option

The ETD option for SYNAPT G2-S-Sprovides the ability to perform electron transfer dissociation on all SYNAPT G2-S systems. ETD on the SYNAPT G2-S provides a complementary method to collision induced dissociation (CID) and provides a method to increase structural information from intact proteins and peptides with post translational modifications (phosphopeptides, glycopeptides).

Quotation
SYNAPT XS HDMS 32k

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 it's 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.