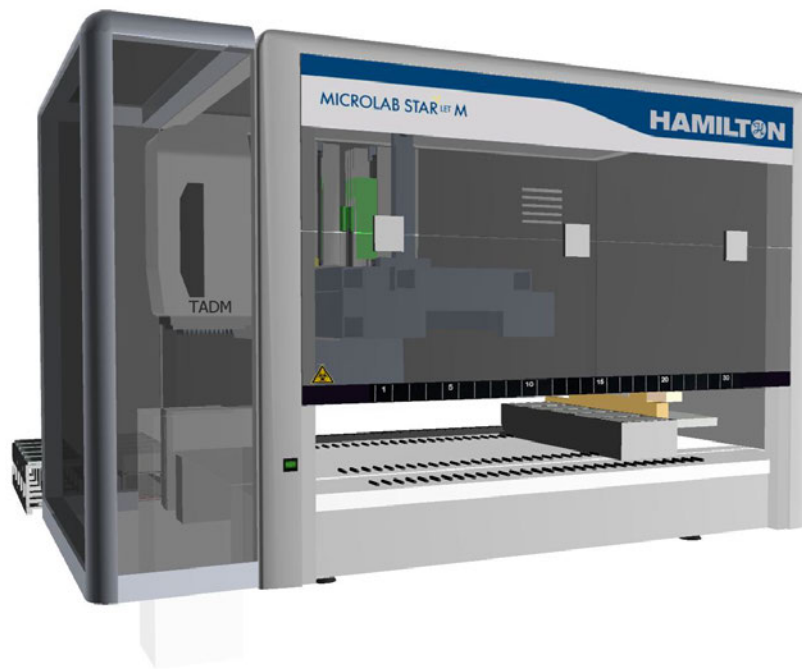


Quotation for PHE PCR Setup STARlet 8 x 1ml 96 Head 2020 based on the Microlab STAR Line



For Dr. Carne, Public Health England, London

Contact

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61 Colindale Avenue
NW9 5EQ London
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Quotation Date, 01.04.2020

COVID PHE PCR Setup STARlet 2020

Quotation Nr.: Q368730D PCR Set Up System STARlet 8 x1ml and 96 Head PHE (35082) 010420 / 9

Dear [REDACTED]

Further to our recent discussions and your interest in our systems, I am pleased to provide you with a customized quotation for your system.

We trust that this quotation will meet your requirements. If you have any queries, please do not hesitate to contact us.

We are looking forward to collaborating with you on this project, and will contact you shortly to discuss the next phase.

Yours sincerely,

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**Quotation Nr.: Q368730D PCR Set Up System STARlet 8 x1ml and 96 Head PHE (35082) 010420 / 9
COVID PHE PCR Setup STARlet 2020**

PCR Set Up System STARlet 8 x1ml 96 Head 2020

Pos.	Qty.	Product	Part-No.	Unit Price (GBP)	Net Unit Price (GBP)	Total (GBP)
Instruments						
1	1	STARLET M MANUALLOAD <i>Full cover and Venus software included. 1124x903x795mm (WxHxD) CLEAR COVERS.</i>	173020-M			
2	1	Modular Arm for 4 / 8 / 12 Ch. / MPH <i>The Modular Pipetting Arm MPH typically contains a set of pipetting channels, which work independently. It can be equipped with: up to 12 channels with 1000µl pipetting head, up to 8 channels with 5ml pipetting head, a plate handling tool (iSWAP), a tube handling tool an imaging channel, etc. The minimum distance between two 1000µl pipetting channels is 9mm and between two 5ml pipetting it is 18mm on this arm. In addition it can hold either the CO- RE 96-Probe Head, the CO-RE 96-Probe Head TADM, or the CO-RE 384-Probe Head.</i>	173051			
3	1	Housing Extension ML STAR Line <i>This housing extension can be mounted on either side of ML STAR Line instruments.</i>	188122			
4	1	8 Channels with 1000µl Pipetting Channels <i>Compatible with 10, 50, 300 and 1000 µl CO-RE tips</i>	173081			
5	1	CO-RE 96 MPH TADM 1000 µl <i>96x 1000 µl Multi Probe Head with TADM feature, compatible with 10, 50, 300 and 1000 µl CO-RE tips.</i>	199080			
6	1	CO-RE Gripper (1mL) set <i>CO-RE Gripper with bracket on waste block for Plate handling and plate transfer on the deck using two 1mL pipetting channels.</i>	184089			

Pos.	Qty.	Product	Part-No.	Unit Price (GBP)	Net Unit Price (GBP)	Total (GBP)
7	1	Waste MPH L Front <i>Tip Waste for MPH on left front side of Instrument.</i>	188125			
8	1	Disposal of Hamilton product (WEEE) <i>Disposal of Hamilton product in accordance to EC directive WEEE (Waste of Electrical and Electronic Equipment), Not included but on request: decontamination and preparation for shipment</i>	WEEE			
9	1	Standard PC Win10, GB <i>Windows 10 PC, compatible with ML VANTAGE Due to SSDs and 16 GB RAM, this PC is suitable for ML VANTAGE instruments in the first place, however, it can be used for other platforms as well. Dell OptiPlex XE2 Minitower 4th Gen Intel Core i7-4770S Processor (Quad Core HT, 3.10GHz Turbo, 8MB, w/ HD Graphics 4600) 16GB Dual Channel DDR3L 1600MHz (8GBX2) OptiPlex 2 x 2.5 inch 512GB SATA Class 20 Solid State Drive, RAID 1 16X Half Height DVD+-RW Drive 1GB AMD Radeon R5 430, 1 GB Full Height (PP & DVI-I) Broadcom NetXtreme 10/100/1000 PCIe Gigabit Networking Card, Full Height, 2 Ethernet Network Connectors 4 x USB 2.0 Connector x 2 4 x USB 3.0 Connector x 2 4-PORT, I/O, SERIAL: in total 5 Serial Connectors For additional RS 232 Ports, PN 396247 (+2) or PN 396250 (+8) can be ordered. Wide screen MONITOR LED 21.5 Keyboard, country specific Mouse Mousepad HAMILTON Webcam 1.3MP USB 2.0 Soundbar Stereo USB Windows 10 IoT Ent LTSC 2016 Multi Lang OEI High End EPKEA (ESD), 32-bit/x64 Microsoft Excel 2013 5Yr Pro Support and Next Business Day On-Site Service 5Yr Data Protection - Keep Your Hard Drive Country-specific Mains Power Cables (for computer and monitor) are not included and have to be ordered separately. Additional Programs such as MS Access, MS Office Professional etc., have to be obtained locally.</i>	396347			
Subtotal for Instruments						

Accessories

Pos.	Qty.	Product	Part-No.	Unit Price (GBP)	Net Unit Price (GBP)	Total (GBP)
10	1	On-Deck 1D Barcode Reader <i>Including:</i> - Barcode Scanner Honeywell 1D Scanner-Orbit MS7120 - Mounting Hardware, Serial to USB Converter and device driver - User and Installation Guide Requires a Labware Gripper or CO-RE paddles.	60713-01			
11	8	MultiFlex Carrier Base (landscape orientation) Labware carrier base for up to 5 MultiFlex modules	188039			
12	7	MultiFlex PCR Plate Module 96 Supports one 96-well PCR plate	188049			
13	5	MultiFlex PCR Plate Module 384 Supports one 384-well PCR plate	188052			
14	15	MultiFlex DWP precision module Supports one DW plate or reagent container with minimal play (tight fit).	188229			
15	13	MultiFlex Tip module Supports one tip rack (5ml, 1000ul, 300ul, 50ul or 10ul tips), enables barcode reading	188160			
16	1	Cooled carrier for 5x labware adapters Carrier provides 5 positions for adapters in landscape (6T). Adapters and cryostat quoted seperately. PVC-hose for fluid included. Carrier not autoloactable.	188035			
17	1	Cooling Circulator	202997SUB-01			
18	5	Adapter for 96 well PCR plate, plunged For use on cooling carrier (P/N 188035)	188182			

Pos.	Qty.	Product	Part-No.	Unit Price (GBP)	Net Unit Price (GBP)	Total (GBP)
19	5	Adapter for 384 well PCR plate, pluggable <i>For use on cooling carrier (P/N 188035)</i>	188184	████	████	████
20	5	MTPDWPADAPTER_PLUNGED <i>MTP/DWP adapter compatible to place on PLT_CAR_L5C cooling carrier (plugged)</i>	188186	████	████	████
21	2	Adapter for 24 tubes <i>For use with cooled carrier (P/N 188035)</i>	188181	████	████	████
Subtotal for Accessories						████
Hand Scanner						
22	1	1D/2D Wireless Hand Scanner <i>Item WWS650</i>	202997SUB-01	████	████	████
Subtotal for Hand Scanner						████
Complimentary						
23	1	Training (Days) <i>Training for one person for two days in Birmingham. Travel and accom. not included. One place offered as complimentary.</i>	202997SUB-16	████	████	████
Subtotal for Complimentary						████
Complimentary Software						
24	1	VENUS four software <i>Microlab STAR Software VENUS four base package 4.5</i>	911264	████	████	████

Pos.	Qty.	Product	Part-No.	Unit Price (GBP)	Net Unit Price (GBP)	Total (GBP)
25	1	<p>Dynamic Liquid Classification</p> <p><i>Dynamic Liquid Classification is a software upgrade for the Microlab® STAR VENUS Software that has been designed for use in the research environment. It allows your Microlab® STAR Line liquid handling system to classify a liquid based on its pipetting behavior. This classification can be used to trigger a reaction, for example the choice of better pipetting parameters to improve precision and accuracy of pipetting or choose only a subset of liquids with distinct liquid parameters for further analysis.</i></p> <p><i>The software upgrade contains the following:</i></p> <ul style="list-style-type: none"> •A program to enable Microlab® STAR to record pressure curves •Dynamic Liquid Classification main software including two predefined algorithms for pressure curve evaluation •A library containing the Dynamic Liquid Classification specific tasks •A predefined database for standard liquids •A demo method for enabling the seamless integration into preexisting methods •A method for easy integration of application specific liquids in the Dynamic Liquid Classification Database •A program to export the recorded pressure curves 	911183			
26	1	<p>VENUS Dynamic Scheduler Software</p> <p><i>The VENUS Dynamic Scheduler allows you to quickly calculate, plan and run your multi-resource assays. The planning algorithm calculates the optimal use of resources (the instrument, third party components such as incubators, readers etc.) for best throughput.</i></p> <p><i>Three levels of programming are available:</i></p> <p><i>The ACTIVITY Editor: a simple, intuitive approach to the scheduling environment. Ideal for throughput calculation and system design.</i></p> <p><i>The GRAPHICAL WORKFLOW Editor: a graphically-oriented programming with intermediate flexibility. Allows easy integration from the non-scheduling environment into the powerful scheduler world.</i></p> <p><i>The ADVANCED WORKFLOW Editor: a step-wise programming approach for full flexibility. Offers the full span of VENUS options such as user inputs, Filehandling etc.</i></p>	911095			

Pos.	Qty.	Product	Part-No.	Unit Price (GBP)	Net Unit Price (GBP)	Total (GBP)
27	1	Pipetting Performance Check <i>The Pipetting Performance Check is a method to prove the faultless state of the ML STAR instrument based on a real pipetting with the single channels and/or the Multi Probe Head 96 TADM.</i> <i>During this check, the pressure curve of the aspiration is evaluated using the TADM (Total Aspire and Dispense Monitoring) algorism. This allows to ensure the impeccable state of the instrument.</i> <i>The Pipetting Performance Check does not replace the validation with a balance, but gives the user a quick method (using default labware) to review the pipetting conditions of the ML STAR family instrument.</i>	815005	■■■	■■■	■■■
28	1	STARWATCH_W <i>STARwatch is a monitoring software which increases the uptime of STAR Line instruments.</i>	STARWATCH_W	■■■	■■■	■■■
29	1	TADM software for ML STAR line <i>Total Aspiration and Dispense Monitoring software, compatible with VENUS software on ML STAR line.</i>	911099	■■■	■■■	■■■
30	1	VENUS ONE DATABASE PLUS 1.1 <i>With the VENUS One software the MS SQL Server Desktop Engine will be installed for a maximum data of 2 GB. Larger data requires additional a MS SQL Server Lizens (not included in the price).</i>	911122	■■■	■■■	■■■
31	1	Teaching Needle 1000 ul, set of 8 <i>Used for teaching of labware positions, for maintenance- and for verification Procedures.</i>	182136	■■■	■■■	■■■
Subtotal for Complimentary Software						■■■
Engineering & Services						
32	1	Installation (GB) <i>Installation of instruments.</i>	202997SUB-06	■■■■■	■■■■■	■■■■■
33	1	Shipment Costs <i>Costs include Relayed transport, unpacking and placement on suitable benching.</i>	202997SUB-04	■■■■■	■■■■■	■■■■■

Pos.	Qty.	Product	Part-No.	Unit Price (GBP)	Net Unit Price (GBP)	Total (GBP)
34	3	Method Development (Days) <i>Carried out by qualified Hamilton Application Specialist.</i>	202997SUB-19			
Subtotal for Engineering & Services						
Total PCR Set Up System STARlet 8 x1ml 96 Head 2020						

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Project Summary

Pos.	Qty.	Product	Total
1	1	PCR Set Up System STARlet 8 x1ml 96 Head 2020	
		Instruments	
		Accessories	
		Hand Scanner	
		Complimentary	
		Complimentary Software	
		Engineering & Services	
		Total PCR Set Up System STARlet 8 x1ml 96 Head 2020	
List Price			
Discount (21.34 %)			
Special Discount			
Special Price			

Terms & Conditions

Prices:	In Pound Sterling, excluding VAT
Payment terms:	30% on order 60% on delivery 10% on completion of final installation
Delivery:	6-8 weeks from date of order
Shipping Terms:	DDP (Incoterms 2010) - The freight and insurance costs will be charged separately.
Warranty:	12 months from Installation
Quotation validity:	30 Days

Our general terms of sale apply to this quotation.

Please place orders at orders.gb@hamilton.ch.

The system provided is classified as a product for general laboratory use and not as an IVD device within the meaning of EU directive 98/79/EC ("In vitro diagnostics"). The system components are in conformity with:

- EU directives 2014/30/EC ("EMC")
- EU directives 2014/35/EC ("Low Voltage")
- EU directives 2011/65/EC and 2015/863/EC ("RoHS").

The method programming supplied by Hamilton is to allow refinement of methods used in your laboratory and conversion into an automated format, suitable to your specific requirements on the Hamilton instrument of your choice. This comprises basic assay and liquid handling set-ups and plate transport for the assays described. The on-site training will allow you to modify these methods if required and develop new ones. It is assumed the chemical basics have been previously optimized in your laboratory.

Your relationship with Hamilton will of course continue beyond this point and we look forward to working with you. We trust that this quotation meets with your satisfaction. Please do not hesitate to contact us should you have any queries.

Yours sincerely,

Hamilton Sales & Service UK Ltd

