

National Microbiology Framework Agreement
Order Form
Reference C137276
Life Technologies Ltd

FROM

Authority:	The Secretary of State for Health and Social Care as part of the Crown acting through the UK Health Security Agency of Nobel House, 17 Smith Square, London, SW1P 3HX (the "Authority").
Invoice address:	Post: The UK Health Security Agency, Nobel House, Smith Square, London, SW1P 3JR Email: [REDACTED]
Contract Manager:	Name: [REDACTED] [REDACTED]
Secondary Contact: business operational contact/project manager	Name: [REDACTED] [REDACTED]
Procurement lead	Name: [REDACTED] [REDACTED]
Name and address for notices:	Name: [REDACTED] [REDACTED] Address: UK Health Security Agency, Nobel House, 17 Smith Square, London SW1P
Internal reference (if applicable):	CRE ID 4175

TO:

Supplier:	Life Technologies Limited, 3 Fountain Drive, Inchinnan Business Park, Paisley, PA4 9RF (the "Supplier")
Contract Manager:	Name: [REDACTED] [REDACTED] [REDACTED]

Secondary Contact:	Name: [REDACTED] [REDACTED] [REDACTED]
Account Manager:	Name: [REDACTED] [REDACTED] [REDACTED]
Name and address for notices:	Name: [REDACTED] Address: Life Technologies, 3 Fountain Drive, Inchinnan Business Park, Paisley, PA4 9RF E-mail: [REDACTED]

Applicable terms and conditions

The following terms and conditions are applicable to the Contract for this Order:

Appendix A	Call-off Terms and Conditions for the Supply of Goods and the Provision of Services	Applicable to this Contract
Appendix B	Optional Additional Call-off Terms and Conditions for Installation and Commissioning Services	<input checked="" type="checkbox"/> (only applicable if this box is checked)
Appendix C	Optional Additional Call-off Terms and Conditions for Maintenance Services	<input checked="" type="checkbox"/> (only applicable if this box is checked)
Appendix D	Optional Additional Call-off Terms and Conditions for Bespoke Research, Development and Manufacturing Requirements	<input type="checkbox"/> (only applicable if this box is checked and to the extent the applicable terms are included in Annex A (Order Specific Key Provisions))
Appendix E	Optional Additional Call-off Terms and Conditions for Reagent Rental	<input type="checkbox"/> (only applicable if this box is checked)
Appendix F	Optional Additional Call-off Terms and Conditions for Managed Equipment Services	<input type="checkbox"/> (only applicable if this box is checked)
Appendix G	Optional Additional Call-off Terms and Conditions for Clinical Laboratory Diagnostic Testing Services	<input type="checkbox"/> (only applicable if this box is checked and to the extent the applicable terms are included in Annex A (Order Specific Key Provisions))
Appendix H	Further Optional Additional Call-off Terms and Conditions	(only applicable if one or more boxes are checked)
	Each of the following clauses in Appendix H is only applicable to this Contract if the relevant box is checked:	
	1. TUPE applies at the commencement of the provision of Services	<input type="checkbox"/>
	2. TUPE on exit	<input type="checkbox"/>
	3. Different levels and/or types of insurance	<input type="checkbox"/>
	4. Induction training for Services	<input type="checkbox"/>
	5. Further Authority obligations	<input type="checkbox"/>
	6. Assignment of Intellectual Property Rights in deliverables, materials and outputs of the Services	<input type="checkbox"/>

7.	Inclusion of a Change Control Process	<input type="checkbox"/>	
8.	Authority step-in rights	<input type="checkbox"/>	
9.	Guarantee	<input type="checkbox"/>	
10.	Termination for convenience	<input checked="" type="checkbox"/>	
11.	Pre-Acquisition Questionnaire	<input type="checkbox"/>	
12.	Time of the essence (Goods)	<input type="checkbox"/>	
13.	Time of the essence (Services)	<input type="checkbox"/>	
14.	Specific time periods for inspection	<input type="checkbox"/>	
15.	Specific time periods for rights and remedies under Clause 3.6 of Schedule 2 of Appendix A	<input type="checkbox"/>	
16.	Right to terminate following a specified number of material breaches	<input type="checkbox"/>	
17.	Expert Determination	<input type="checkbox"/>	
18.	Consigned Goods	<input type="checkbox"/>	
19.	Improving visibility of Sub-contract opportunities available to Small and Medium Size Enterprises and Voluntary, Community and Social Enterprises	<input type="checkbox"/>	
20.	Management Charges and Information	<input type="checkbox"/>	
21.	COVID-19 related enhanced business continuity provisions	<input type="checkbox"/>	
22.	Buffer stock requirements	<input type="checkbox"/>	
23.	Modern slavery	<input checked="" type="checkbox"/>	
	The additional Order Specific Key Provisions set out at Annex A (Order Specific Key Provisions) to this Order Form shall also apply to this Contract. 1	<input checked="" type="checkbox"/>	

1. CONTRACT DETAILS

(1.1) Commencement Date: 6th February 2023

(1.2) Services Commencement Date (if applicable):
6th February 2023

(1.3) Contract Price ((i) breakdown and (ii) payment profile):

1.3.1 The total contract value shall be one hundred and seventy five thousand, five hundred and ninety five pounds and fifty nine pence. (£175,595.59) (Excl. VAT) (the “**Total Contract Value**”). This contract covers the period from 6th February 2023 to 31 March 2023.

1.3.2 The Total Contract Value is the maximum value of goods/service which can be ordered under this Contract.

<p>1.3.3 Payment terms are net 30 days in arrears from the date the Authority receives valid consolidated invoices in accordance with this Contract.</p> <p>1.3.4 The Supplier shall comply with the invoicing process and associated terms see Section 2 of Annex A (Order Specific Key Provisions)</p> <p>1.3.5 The Supplier shall ensure delivery and invoicing of the goods/services takes place after the Contract commencement date and prior to the end of the Term (31st March 2023).</p>	<p>(1.4) Term of Contract:</p> <p>1.4.1 This Contract shall be deemed to have commenced on 6th February 2023 (the “Commencement Date”) and shall, unless terminated earlier, or extended, in accordance with its terms, expire on 31 March 2023 (the “Term”)</p> <p>1.4.2 The Authority may terminate the Contract for convenience at any time pursuant to clause 10 (Termination for convenience) of Appendix H (Further Optional Additional Call-off Terms and Conditions) of this Contract provided the Authority gives the Supplier not less than 90 days’ written notice.</p> <p>(1.5) Term extension options:</p> <p>N/A</p>
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2. GOODS AND/OR SERVICES REQUIREMENTS

(2.1) Description of the Goods / Services:

The specification of the Goods (the “Specification”) is as set by the manufacturer.

2.1.1 This contract covers the purchase of 1 x Ion GeneStudio S5 Prime System with SmartStart, 1 x Ion Chef System and a three year extended warranty on both the GeneStudio S5 Prime System and Ion Chef System.

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Clinical Analysis and Instruments

DNA Sequencing Systems

Ion GeneStudio™ S5 Prime Syst...


Ion Torrent™

Ion GeneStudio™ Tw S5 Prime System with SmartStart

Catalog number: A38411

Related applications: Ion Torrent™ Next-Generation Sequencing

Technical Support | Customer Service



Catalog Number	Unit Size	Price (GBP)
A38411	System - SmartStart	Request A Quote

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Product Overview

Documents

FAQ

The Ion GeneStudio S5 Prime System is a semiconductor-based next-generation sequencing (NBS) system that enables simple targeted sequencing workflows. For core and service data requiring maximum throughput and rapid turnaround time from a benchtop NBS system, the Ion GeneStudio S5 Prime System enables unparalleled breadth and depth, from large panels or exomes to clinical oncology research focused on low allele frequency applications. With cartridge-based reagents, the system is simple to use and offers scalability and flexibility. It uses Ion 5 Series chips to support a broad range of high-throughput sequencing for clinical research and research applications from microbial genomes and gene panels to exomes and transcriptomes.

Key features:

- Select the chip (Ion 510-550 chip) that fits your application and throughput needs to achieve from 2-150 million reads per run
- Reduce setup time and complexity with cartridge-based plug-and-play reagents
- Complete run and analysis in hours and move forward with your experiments

The Ion GeneStudio S5 Series

The Ion GeneStudio S5 Series sequences share the same foundational technology and fluidic architecture across all three instruments: the Ion GeneStudio S5 System, the Ion GeneStudio S5 Plus System, and the Ion GeneStudio S5 Prime System. The primary difference across the three instruments is on-sequencer analysis time.

Speed

The Ion GeneStudio S5 Series leverages the speed of semiconductor sequencing to enable the production of high quality sequencing data in a few hours and enables you to go from DNA library to data in as little as 24 hours with only 45 minutes of total hands-on time when paired with the Ion Chef System.

Simplicity

With single-day installation, a straightforward user interface, and cartridge-based reagents, the Ion GeneStudio S5 Series sequencers are easy to use. Combined with Ion AmpliSeq technology for target selection, the Ion Chef System for automated library and template preparation, and Ion Reporter Software for automated variant annotation, targeted sequencing is simpler than ever.

Small sample input

Low input DNA from challenging sample types such as formalin-fixed paraffin-embedded (FFPE) tissue, retrospective samples from fine needle aspirates, and cell-free DNA extracted from blood (cfDNA) can be difficult to sequence on connector next-generation sequencing. However, with Ion AmpliSeq technology and the Ion GeneStudio S5 Series, you can use as little as 1 ng input DNA or RNA.

Specifications	
Product Line	GeneStudio™
Software Type	Torrent Suite Software, Ion Reporter Software
Shipping Condition	Room Temperature

Package Components	
Ion GeneStudio™ S5 Prime System	
Catalog Number:	A38196
Unit Size:	1 system
Qty:	1
Training for Ion Torrent™ Next-Generation Sequencing Systems	
Catalog Number:	TRN00230
Unit Size:	Ion FAS On-Site Training, 1 day
Qty:	1
ZGPCSCBFX10	
Catalog Number:	ZGFC-SCBFX10
Unit Size:	1
Qty:	1
A33125	
Catalog Number:	A33125
Unit Size:	1
Qty:	1

Scalability
Why buy multiple systems for your lab when you can run all of your targeted sequencing or microbial applications on a single next-generation sequencer? The Ion S Series chips that run on the Ion GeneStudio S5 Series provide several throughput options, so your lab has the flexibility to scale from small to large projects, enabling multiple targeted sequencing applications on a single system.

Simple analysis and storage solutions
Torrent Suite Software and Ion Reporter Software make NGS easy for beginners and experts alike. Plan, monitor, track, and analyze your runs using Torrent Suite Software (pre-installed on the Torrent Server), Integrate, annotate, and interpret variants using Ion Reporter Software (Thermo Fisher Cloud or local options available based on your needs).

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Home > Shop All Products > PCR Equipment and Supplies > Thermal Cycles > Ion Chef™ Instrument



Ion Torrent™

Ion Chef™ Instrument

Catalog number: 4484177

Related applications: Ion Torrent™ Next-Generation Sequencing | SARS-CoV-2 Pathogen Research Solutions

Technical Support | Customer Service

Catalog Number	Unit Size	Price (GBP)
4484177	1 system	Request A Quote

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Product Overview Documents

The Ion Chef System is the next generation of workflow simplification products for the Ion GeneStudio S5 Systems. The Ion Chef System provides automated library preparation, template preparation, and chip loading for users at any experience level. In less than 15 minutes of up-front hands-on time and with the use of pre-packaged library preparation reagent kits, the Ion Chef System provides a convenient walk-away workflow resulting in equalized, pooled libraries ready for templating. The automated workflow supports Ion AmpliSeq user- and low-input designs. Visit www.AmplicSeq.com to design your own custom panels. After library preparation, less than 15 minutes of hands-on time is required to set up the Ion Chef System to perform fully automated template preparation, producing one or two chips ready for sequencing. Automating your sample preparation workflows on the Ion Chef System results in significantly higher productivity.

The Ion Chef System:

- Simplifies the workflow
- Minimizes sources of user-introduced variability
- Helps save time and labor
- Supports sequencing preparation for the Ion GeneStudio S5 Systems

The Ion Chef System features:

- Automated Ion AmpliSeq library preparation, template preparation, and chip loading
- Cartridge-based reagent system
- Sample and reagent-tracking capability
- Intuitive user interface
- On-board diagnostics

Simplify the Ion Torrent NGS workflow

The Ion Chef System simplifies the Ion Torrent next-generation sequencing (NGS) workflow by integrating several manual and instrument steps into a single process. The Ion Chef System workflow now incorporates all steps of library preparation (targeted PCR amplification with respective primer panel, partial digestion of primer sequences, adapter/barcode ligation, purification, library equalization and pooling), as well as all steps of template preparation and chip loading. The simple, automated workflow provides easy access for users of any experience level.

Minimize variability and load chips reproducibly

The Ion Chef System provides reproducible chip loading by automating multiple manual chip-loading steps. The sophisticated visual system inside the Ion Chef System is designed to help reduce user-introduced error and variability by providing barcode reading and positive identification of samples, chips, and reagents. The visual system performs the setup check before the run, as well as the reagents and consumables load and unload check, calibration, and diagnostics.

Save time and labor

The Ion Chef System enables significant time and labor savings by offering quick and easy setup for both library preparation and templating that typically requires less than 15 minutes of hands-on time for each step.

Specifications	
High-throughput Compatibility	High-throughput Compatible, Automated Protocol
For Use With (Equipment)	Ion GeneStudio S5 System, Ion GeneStudio™ S5 System, Ion PGMTM System, Ion Proton™ System, Ion S5™ XL System
Run Time	Varies with Chip Type and Read Length Selected
Dimensions	28 x 22 x 28 in (71 x 55 x 71 cm)
Voltage	100 to 240 V
Electrical Requirements	1350 W
Product Line	Ion Chef™
Operating System	Ion GeneStudio™ S5 System, Ion Personal Genome Machine (PGMTM) System, Ion Proton™ System
Operating Environment	20°C to 25°C
Frequency	50/60 Hz
Chip Compatibility	Ion P1™ Chip v3, Ion 314™ Chip v2 BC, Ion 316™ Chip v2 BC, Ion 318™ Chip v2 BC, Ion 510™ Chip, Ion 550™ Chip, Ion 50™ Chip, Ion 520™ Chip, Ion 540™ Chip
Current	14 A (Max)

SmartStart orientation is carried out by a Field Application Scientist (FAS) to reduce downtime. Includes the following:

- 1-day technology overview and instrument workflow
- 1-day hands-on application workflow training
- 10 hours bioinformatics consultancy

Item No.	Instrument	SKU Number	SKU Name	Qty
1	A38411	A38411	ION GS S5 PRIM SMARTSTART PKG EACH	1
1.1		A38196	ION GENESTUDIO S5 PRIME SYSTEM	1
1.2		TRN00230	ION FAS CUSTOMER SITE TRAINING	1
1.3		ZGPCSCBFX10	BFX PROF SVC,10HRS	1
1.4		A33125	SMARTSTART Training, ION, 1DAY, Customer Site	1
2	A27215		ION S5 INSTALLATION KIT	1
3	Service	ZG61SCIONSSPRIME	AB EXT WARR 1PM, ION S5 PRIME	1
4	4484177	4484177	ION CHEF SYSTEM	1
5		448374	ION CHEF INSTALLATION KIT	1
6		ED000650	POWER CORD-UK	1
7	Service	ZG61SCIONCHEF	AB EXT WARR 1PM, ION IONCHEF	1

(2.2) Premises and Location(s) at which the Goods are to be provided:

2.2.1 The Supplier shall deliver the goods to the location listed in Appendix 3.

2.2.2 The Authority may at any time move equipment between laboratory sites, remove, substitute or add equipment to the contract. The Authority will endeavour to provide the Supplier with as much notice of equipment moves as possible and, in any event, not less than 10 days' notice.

2.2.3 All planned Services delivery shall be pre-advised by the Supplier to the Authority's primary delivery contact stated below (individually or collectively be known as the "Delivery Contact") at least 48 hours prior to attendance:

2.2.4 Primary delivery contact: Business Operational Contact [REDACTED]

E-mail [REDACTED]

<p>2.2.5 The Supplier shall provide the following data when notifying the Delivery Contact:</p> <ul style="list-style-type: none"> • Supplier name; • Authority's Order Number; • Item reference, Supplier's part code, description and quantity; • Full service detail at item level and any special instructions originally entered for Authority's Order (e.g. project). <p>2.2.6 The Delivery Contact will confirm:</p> <ul style="list-style-type: none"> • Booking reference number; • Date and time of service (where applicable); and • Delivery address. <p>2.2.7 Delivery of the Goods/Services shall be considered to have occurred when the Delivery Contact or other authorised representative of the Authority at the Authority's nominated location has agreed delivery, installation and any validation work has been carried out to the suppliers specification and has signed the delivery note to confirm acceptance.</p>	<p>(2.3) Key personnel of the Supplier to be involved in the Goods / Services:</p> <p>Name: [REDACTED]</p> <p>Address: Life Technologies Limited, 3 Fountain Drive, Inchinnan Business Park, Paisley, PA4 9RF</p> <p>Phone: [REDACTED]</p> <p>[REDACTED]</p>
<p>(2.4) Performance standards:</p> <ul style="list-style-type: none"> • The Supplier shall deliver the Goods/Services to good industry standards. • Timely delivery of the Goods/Services in accordance with section 2.6 below. • Quality of Goods/Services i.e. Goods/Services to meet Specifications as stated in section 2.1 & 2.5. • Proof of delivery of the Goods/Services to be supplied with each quarterly consolidated invoice. 	<p>(2.5) Quality standards:</p> <p>The Supplier shall deliver the equipment to the level of the Supplier's manufactured specifications as sold by the Supplier to the Authority.</p> <p>For Goods that do not meet the quality and performance standards The Return Conditions will be as follows:</p> <p>2.5.5.1 The Supplier is responsible for collecting the Goods.</p> <p>2.5.5.2 The Supplier is responsible for the costs of returning/collecting the Goods.</p> <p>2.5.5.3 Return Conditions shall be in accordance with Schedule 2 - clause 3 (inspection, rejection, return and recall of the Goods) of the Call Off Terms and Conditions.</p>

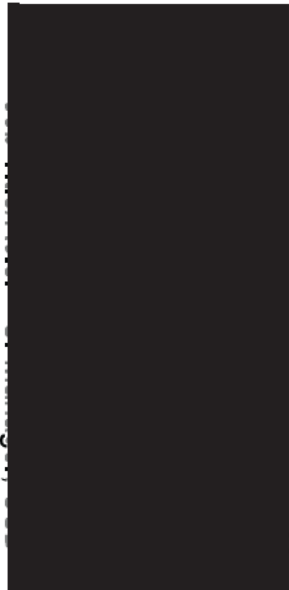
<p>(2.6) Contract monitoring arrangements:</p> <p>The Authority Contract Manager (or their delegate) and the Supplier Contract Manager shall meet Monthly (or such other frequency as reasonably requested by the Authority) and no less than quarterly (unless otherwise notified by the Authority) to discuss the Supplier's performance and other matters connected to the delivery of the Contract.</p>	<p>(2.7) Management information and meetings:</p> <p>2.7.1 At the Authority's request, within five (5) Working Days of such request, the Supplier shall provide such management information to the Authority as the Authority may reasonably request from time to time (including without limit any information about the Supplier's supply chain and its compliance in relation to sustainability requirements).</p> <p>2.7.2 Performance and key performance indicators to be reported by the Supplier on an annual basis include:</p> <ol style="list-style-type: none"> 1. List of current equipment (the "Asset Register"); 2. Number of service call outs received with reference to associated equipment serial number; 3. Equipment performance reviewed including levels of equipment break down; 4. Review of response time and time to fix rate resolution 5. Details of callouts by location, including root cause analysis; and 6. Repairs carried on-site.
<p>3. CONFIDENTIAL INFORMATION (if applicable)</p>	
<p>(3.1) The following information shall be deemed Confidential Information:</p> <ul style="list-style-type: none"> • Supplier pricing. • Contact details including, but not limited to, email addresses, landline / mobile phone numbers, etc. of Supplier representatives • Contact details including, but not limited to, email addresses, landline / mobile phone numbers, etc. of Authority's representatives <p>(3.2) Duration that the information shall be deemed Confidential Information:</p> <p>For a period of three (3) years after the expiry or earlier termination of this Contract unless otherwise agreed in writing by the Parties.</p>	
<p>4. DATA PROCESSING (if applicable)</p>	
<p>(4.1) Personal Data to be processed by the Supplier:</p> <p>In accordance with the Data Protection Protocol.</p>	
<p>5. LEASE / LICENSE (if applicable)</p>	
<p>(5.1) The Authority is granting the following lease or licence to the Supplier:</p> <p>N/A</p>	

Signature for and on behalf of the Authority:



Date Signed: 8th February 2023

Signature for and on behalf of the Supplier:



Date Signed: 08/02/2023

Annex A

Order Specific Key Provisions

1. Delivery and Risk:

- 1.1. The Supplier shall deliver the services/goods to the location set out in Appendix 3 of this order form.
- 1.2. The Supplier will ensure that the provisions of service/goods re made in accordance with the terms of this Order Form including Appendices 1, 2 and 3 hereto, and the Call-Off Terms and Conditions.

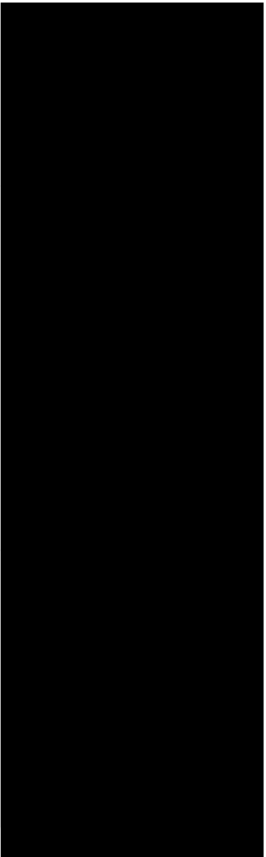
2. Invoicing Process:

- 2.1. Payment terms are net 30 days from receipt of a valid monthly invoice.
- 2.2. Within 10 Business Days of receipt of the Supplier's countersigned copy of the Contract, the Authority will send a unique purchase order ("PO") number. The Supplier must be in receipt of a valid PO number before submitting an invoice.
- 2.3. The Supplier shall provide a consolidated quarterly invoice to the Authority for all Services received and accepted by the Authority each quarter.
- 2.4. The Supplier shall send all invoices for approval and shall include the proof of delivery to the Authority's designated finance mailbox e-mail [REDACTED] and their agreed representative (to be confirmed at first Supplier meeting) before being submitted for payment.
- 2.5. All invoices must be sent quoting a valid purchase order number. The Supplier shall provide a current statement of accounts on a monthly basis; this is a standard commercial process and should show all invoices raised and amounts outstanding.
- 2.6. The Supplier shall provide compliant invoices that include a valid PO number, PO line item number (if applicable), PO line description, and the details (name and telephone number) of the Authority's authorised representative. Non – compliant invoices will be sent back to the Supplier, which may lead to a delay in a payment.
- 2.7. In support of Services being delivered the Supplier shall provide to the Authority a signed delivery note confirming receipt of the services.
- 2.8. The UK Health Security Agency, Nobel House, Smith Square, London, SW1P 3JR [REDACTED] Supplier queries regarding payment must be forwarded to the Authority's Accounts Payable section by email to: [REDACTED]

Appendix 1 – Description of equipment and pricing.

Item No	SKU	Description	Qty	List Price	Discount Price/ Discount %	Net Price	Extended Price
1	A38411	ION GS S5 PRIM SMARTSTART PKG EACH					
1.1	A38196	ION GENESTUDIO S5 PRIME SYSTEM EACH					
1.2	TRN00230	ION FAS CUSTOMER SITE TRAINING 1 DAY ONSITE					
1.3	ZGPCSCBFX10	BFX PROF SVC, 10HRS EA					
1.4	A33125	SMARTSTART, ION, 1DAY, CS EACH					
2	A27215	ION S5 INSTALLATION KIT EACH					
3	ZG61SCIONS5 PRIME	AB EXT WARR, 1PM, ION S5 PRIME SVC CNTRCT					
4	4484177	ION CHEF SYSTEM EACH					
5	4488374	ION CHEF INSTALLATION KIT EACH					
6	ED000650	POWER CORD-UK EACH					
7	ZG61SCIONCH EF	AB EXT WARR, 1PM, ION IONCHEF EACH					

Total Excluding VAT : £175,595.59



Appendix 2 – Warranty Plan.

AB Assurance service & maintenance – 36 months
Parts, labour, and travel included - no additional costs for parts, labour, and travel associated with standard repairs
Priority response time for repairs
On-site guaranteed 2-day response time
Annual planned maintenance —covers scheduled on-site service
Priority access to Remote Service Engineers
Access to technical support (Mon–Fri, standard business hours)
Digital remote support and Smart Monitoring
<p>Scheduled on-site planned maintenance (PM)</p> <p>During the PM service visit, the field service engineer will perform inspection of the system, software update if required, cleaning, lubricating, and alignment of relevant mechanical parts, cleaning and alignment of optical systems, functional tests as well as documentation of maintenance tasks, results, and findings.</p>

Appendix 3 – Delivery Location.

**Toxicology Dept
RCE
UKHSA
Harwell Campus, Chilton
Oxfordshire
OX11 0RQ**

Point of contact: 