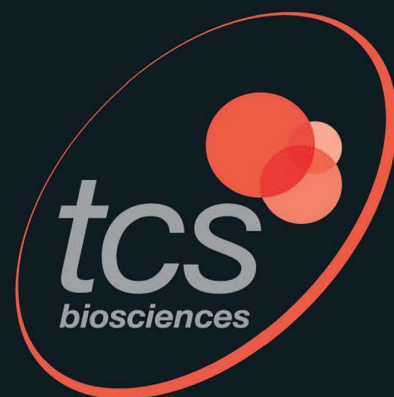


accuracy and quality as a science



TCS Biosciences Ltd

Botolph Claydon, Buckingham, MK18 2LR, United Kingdom

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www.tcsbiosciences.co.uk

E. & O.E

Product and Price Guide

ORDERING INFORMATION

Please ensure that the following information is included on your purchase orders:

- Delivery Address
- Invoice Address (if different)
- Product Code
- Full Product Description
- Quotation Number
- VAT Exemption Certificate
- Purchase Order Number (where applicable)

Standing Orders

Many products included in this product list, particularly blood and serum, may be required on a regular basis. Please call our Customer Service team to set up your order and leave the rest to us. Alterations to standing orders can be made prior to the day of despatch. Additional orders can usually be despatched with standing orders at no extra cost.

Prices

Our aim is to maintain the prices quoted in this list. However, in the event of raw material increases beyond our control, we reserve the right to charge prices ruling at the time of despatch. Prices shown are exclusive of carriage, handling and VAT.

Despatch Times

Our aim is to despatch orders as soon as possible. Due to the perishable nature of our products we do not routinely despatch on a Friday. If you prefer to have your product delivered by Royal Mail 1st class post-delivery, you should receive the product within 1-3 days. Please note that we are unable to track these parcels.

Carriage Charges

Orders will be despatched by the quickest and most economical method to ensure the products arrive on time and in optimum condition. Guaranteed next day delivery pre 10am or 12pm can be arranged at additional cost.

Terms and Conditions

All other conditions are as per our Conditions of Business – please see back page.

VAT

All items listed in the Product and Price Guide are subject to value added tax at the standard rate. For customers with VAT exemption status please ensure that a VAT Exemption Certificate is presented with your order. Annual exemption can be used; please contact our Customer Service team for details.

Return of Products

In the event it becomes necessary to return a product please contact our Customer Service team to arrange the method of return. This particularly applies to our range of freeze dried organisms, the packaging of which must be carried out in accordance with national or international shipping regulations. In the unlikely event of a problem with any TCS product or service please ensure that our Customer Service team is notified within 7 days of receipt. Notification outside of this period will delay the remedial process and could result in an invalid claim.

Human Serum and Plasma Samples

When requesting samples, please note that there will be an admin fee of £7.50 per sample for serum and £4.00 for plasma. The administration fee will be credited when the reserve volume is purchased.

Handling Charges

Standing Orders: For orders with a value of less than £150.00 per delivery (exclusive of VAT and carriage) a handling charge of £5.00 will be applied.

Once Off Orders: For orders with a value of less than £150.00 per delivery (exclusive of VAT and carriage) a handling charge of £7.00 will be applied.

Discounts: Quantity discounts are available for standing orders or bulk orders – please enquire.



Certificate of Registration

ENVIRONMENTAL MANAGEMENT SYSTEM - ISO 14001:2015

This is to certify that:

TCS Biosciences Ltd
Botolph Claydon
Buckingham
MK18 2LR
United Kingdom

Holds Certificate Number:

EMS 590359

and operates an Environmental Management System which complies with the requirements of ISO 14001:2015 for the following scope:

The procurement, manufacture and sale of a range of diagnostic products for clinical, pharmaceutical, food and environmental laboratory testing.

For and on behalf of BSI:

Andrew Launn, EMEA Systems Certification Director

Original Registration Date: 2013-06-10

Latest Revision Date: 2019-01-18

Effective Date: 2019-01-27

Expiry Date: 2022-01-26

Page: 1 of 1



...making excellence a habit.™

This certificate was issued electronically and remains the property of BSI and is bound by the conditions of contract.
An electronic certificate can be authenticated [online](https://www.bsigroup.com/ClientDirectory).
Printed copies can be validated at www.bsigroup.com/ClientDirectory

Information and Contact: BSI, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP. Tel: +44 345 080 9000
BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.
A Member of the BSI Group of Companies.

ISO 14001

TCS Biosciences has been ISO 14001 registered since 2013.

CE Mark

Many of our products are CE marked in accordance with the In-vitro Diagnostic Medical Devices Directive 98/79/EC, The Medical Devices Regulations 2002 (SI 2002 No. 618) and The Medical Devices (Amendment) Regulations 2003 (SI 2003 No.1697). Should you require further information please contact our Regulatory Affairs team.

Animal Serum and Plasma

Sterile serum is widely used in cell culture, microbiology and in the preparation of diagnostic kits.

We are pleased to add our range Fetal Bovine Serum of Australian and New Zealand origin produced by Moregate Biotech and Donor Bovine Serum of New Zealand origin produced by South Pacific Sera.

Australia and New Zealand, being island countries with the strictest quarantine systems, have remained relatively disease-free. This coupled with careful collection, strict processing and filtration procedures and rigorous testing ensures product of the highest quality. Serum is shipped direct from the country of origin. Comprehensive documentation is provided which demonstrates full product traceability.

Donor animals are screened for viruses and pathogens prior to being introduced into the donor groups. Processing is carried out in accordance with our strict operating procedures. Certificates of analysis are available upon request.

We are aware that some customers do not require Animal Serum and Plasma which has been through the stringent control procedures described above.

Many of our customers use Animal Serum and Plasma for non-critical procedures or for research and development applications. We now offer a value for money range of alternative products.

Our Animal Serum and Plasma products are each sourced from an identified origin, and filtered through a 0.2µm membrane. These products carry limited documentation, including a certificate of conformity.

Code	Description	Size	Price
CSF02	<u>Donor Bovine Serum, Gamma Irradiated New Zealand Origin</u>	500ml	POA
CSF100	<u>Donor Bovine Serum, Gamma Irradiated New Zealand Origin</u>	1000ml	POA
CS0021	<u>Donor Bovine Serum, Heat Inactivated New Zealand Origin</u>	500ml	POA
DBS100	<u>Donor Bovine Serum, New Zealand Origin</u>	1000ml	POA
DBS500	<u>Donor Bovine Serum, New Zealand Origin</u>	500ml	POA
HA001	<u>Donor Horse Serum, Defibrinated UK Origin</u>	100ml	£11.45
HA002	<u>Donor Horse Serum, Defibrinated UK Origin</u>	500ml	£47.15
HA005	<u>Donor Horse Serum, Heat Inactivated UK Origin</u>	100ml	£12.45
HA006	<u>Donor Horse Serum, Heat Inactivated UK Origin</u>	500ml	£50.05
FBSIAE1000	<u>Fetal Bovine Serum Gamma Irradiated, Australian Origin</u>	1000ml	POA
FBSIAE500	<u>Fetal Bovine Serum Gamma Irradiated, Australian Origin</u>	500ml	POA
FBSIN1000	<u>Fetal Bovine Serum Gamma Irradiated, New Zealand Origin</u>	1000ml	POA
FBSIN500	<u>Fetal Bovine Serum Gamma Irradiated, New Zealand Origin</u>	500ml	POA

FBSIU1000	Fetal Bovine Serum Gamma Irradiated, US Origin	1000ml	POA
FBSIU500	Fetal Bovine Serum Gamma Irradiated, US Origin	500ml	POA
FBSAE1000	Fetal Bovine Serum, Australian Origin	1000ml	POA
FBSAE500	Fetal Bovine Serum, Australian Origin	500ml	POA
FBSN1000	Fetal Bovine Serum, New Zealand Origin	1000ml	POA
FBSN500	Fetal Bovine Serum, New Zealand Origin	500ml	POA
FBSU1000	Fetal Bovine Serum, US Origin	1000ml	POA
FBSU500	Fetal Bovine Serum, US Origin	500ml	POA
CS004	Newborn Calf Serum, New Zealand Origin	500ml	POA
HS019	Horse Plasma, Citrated	500ml	POA
HS018	Horse Plasma, Heparinised	500ml	POA
RS028	Rabbit Plasma in EDTA	10ml	POA
RS032	Rabbit Plasma, Citrated	10ml	POA
SS022	Sheep Plasma, Heparinised	500ml	POA

Human Serum and Plasma

Each individual donor unit (IDU) of human origin is tested for the presence of hepatitis B surface antigen, hepatitis C virus, antigens and antibodies to human immunodeficiency virus. We do, however, recommend that all material of human origin should be considered as potentially hazardous and be handled with appropriate care.

We are also able to supply Stripped Serum; the price of this will vary depending on the parameters that need to be removed. We are able to offer disease state immune sera and plasma. Prices will depend on the type of antibody and titre.

When requesting samples, please note that there will be an admin fee of £7.50 per sample for serum and £4.00 for plasma. The administration fee will be credited when the reserve volume is purchased.

If you require more information please contact our Customer Service team.

Code	Description	Size	Price
DS150-100	Human Serum Stabilised	100ml	POA
DS150-500	Human Serum Stabilised	500ml	POA
DS750-100	Human Serum Stabilised - Delipidated	100ml	POA
DS750-500	Human Serum Stabilised - Delipidated	500ml	POA
DPS100-K2-100	Human Plasma Dialysed Plasma with EDTA	100ml	POA
DPS100-K2-500	Human Plasma Dialysed Plasma with EDTA	500ml	POA
DPS100-LH-100	Human Plasma Dialysed Plasma with Heparin	100ml	POA
DPS100-LH-500	Human Plasma Dialysed Plasma with Heparin	500ml	POA
PS200-F-500	Human Plasma Female Pool	500ml	POA
PS300-AB-100	Human Plasma Group Specific (eg AB)	100ml	POA
PS300-AB-500	Human Plasma Group Specific (eg AB)	500ml	POA
PS200-M-500	Human Plasma Male Pool	500ml	POA
PS100-100	Human Plasma Mixed Pool	100ml	POA
PS100-500	Human Plasma Mixed Pool	500ml	POA
PS200-F-100	Human Plasma Sexed Female or Male Pool	100ml	POA
CS400-FAB-500	Human Serum Group Specific	500ml	POA
CS300-100	Human Serum Group Specific (eg AB)	100ml	POA
CS300-500	Human Serum Group Specific (eg AB)	500ml	POA
CS400-FAB-100	Human Serum Group Specific Sexed	100ml	POA
CS100-100	Human Serum Mixed Pool	100ml	POA
CS100-500	Human Serum Mixed Pool	500ml	POA
CS500-100	Human Serum Post Menopausal*	100ml	POA

CS500-500	Human Serum Post Menopausal*	500ml	POA
CS200-F-100	Human Serum Sexed Female	100ml	POA
CS200-F-500	Human Serum Sexed Female Pool	500ml	POA
CS200-M-100	Human Serum Sexed Male	100ml	POA
CS200-M-500	Human Serum Sexed Male Pool	500ml	POA
DR150-1L	Human Serum Stabilised	1L-5L	POA
DR150-PPL	Human Serum Stabilised	6L-50L	POA
DR750-1L	Human Serum Stabilised - Delipidated	1L-5L	POA
DR750-500	Human Serum Stabilised - Delipidated	500ml	POA
DR750-PPL	Human Serum Stabilised - Delipidated	6L-50L	POA
DR150-500	Human Serum Stabilised Non-Sterile	500ml	POA
DPR100-500	Human Plasma Dialysed Plasma EDTA	500ml	POA
DPR100-LH-500	Human Plasma Dialysed Plasma Heparin	500ml	POA
PR300	Human Plasma Group Specific (eg AB)	IDU (per litre pro rata)	POA
PR300-1L	Human Plasma Group Specific (eg AB)	1L-5L	POA
PR300-500	Human Plasma Group Specific (eg AB)	500ml	POA
PR300-AB-PPL	Human Plasma Group Specific (eg AB)	500ml	POA
PR300-AB-PPL	Human Plasma Group Specific (eg AB)	6L-50L	POA
PR400	Human Plasma Group Specific Sexed	6L-50L	POA
PR400-1L	Human Plasma Group Specific Sexed	1L-5L	POA
PR400-500	Human Plasma Group Specific Sexed	500ml	POA
PR400-IDU	Human Plasma Group Specific Sexed	IDU (per litre pro rata)	POA
PR100-1L	Human Plasma Mixed Pool	1L-5L	POA
PR100-500	Human Plasma Mixed Pool	500ml	POA
PR100-PPL	Human Plasma Mixed Pool	6L-50L	POA
PR100-IDU	Human Plasma Mixed Pool #	IDU (per litre pro rata)	POA
PR200	Human Plasma Sexed Female Pool	IDU (per litre pro rata)	POA
PR200-F-1L	Human Plasma Sexed Female Pool	1L-5L	POA
PR200-F-500	Human Plasma Sexed Female Pool	500ml	POA
PR200-F-PPL	Human Plasma Sexed Female Pool	6L-50L	POA
PR200	Human Plasma Sexed Male Pool	IDU (per litre pro rata)	POA
PR200-M-1L	Human Plasma Sexed Male Pool	1L-5L	POA
PR200-M-500	Human Plasma Sexed Male Pool	500ml	POA
PR200-M-PPL	Human Plasma Sexed Male Pool	6L-50L	POA
DR900-500	Human Serum Charcoal Stripped	500ml	POA
CR300	Human Serum Group Specific (eg AB)	IDU (per litre pro rata)	POA
CR300-1L	Human Serum Group Specific (eg AB)	1L-5L	POA
CR300-500	Human Serum Group Specific (eg AB)	500ml	POA
CR300-PPL	Human Serum Group Specific (eg AB)	6L-50L	POA
CR400-F-1L	Human Serum Group Specific Sexed	1L-5L	POA

	<u>Female</u>		
CR400-F-500	<u>Human Serum Group Specific Sexed Female</u>	500ml	POA
CR400-F-IDU	<u>Human Serum Group Specific Sexed Female</u>	IDU (per litre pro rata)	POA
CR400-F-PPL	<u>Human Serum Group Specific Sexed Female</u>	6L-50L	POA
CR400-M-1L	<u>Human Serum Group Specific Sexed Male</u>	1L-5L	POA
CR400-M-500	<u>Human Serum Group Specific Sexed Male</u>	500ml	POA
CR400-M-IDU	<u>Human Serum Group Specific Sexed Male</u>	IDU (per litre pro rata)	POA
CR400-M-PPL	<u>Human Serum Group Specific Sexed Male</u>	6L-50L	POA
CR100-1L	<u>Human Serum Mixed Pool</u>	1L-5L	POA
CR100-500	<u>Human Serum Mixed Pool</u>	500ml	POA
CR100-PPL	<u>Human Serum Mixed Pool</u>	6L-50L	POA
CR100-IDU	<u>Human Serum Mixed Pool #</u>	IDU (per litre pro rata)	POA
CR500	<u>Human Serum Post Menopausal</u>	IDU (per litre pro rata)	POA
CR500-1L	<u>Human Serum Post Menopausal</u>	1L-5L	POA
CR500-500	<u>Human Serum Post Menopausal</u>	500ml	POA
CR500-PPL	<u>Human Serum Post Menopausal</u>	6L-50L	POA
CR200-F-1L	<u>Human Serum Sexed Female Pool</u>	1L-5L	POA
CR200-F-500	<u>Human Serum Sexed Female Pool</u>	500ml	POA
CR200-F-IDU	<u>Human Serum Sexed Female Pool</u>	IDU (per litre pro rata)	POA
CR200-F-PPL	<u>Human Serum Sexed Female Pool</u>	6L-50L	POA
CR200-M-1L	<u>Human Serum Sexed Male Pool</u>	1L-5L	POA
CR200-M-500	<u>Human Serum Sexed Male Pool</u>	500ml	POA
CR200-M-IDU	<u>Human Serum Sexed Male Pool</u>	IDU (per litre pro rata)	POA
CR200-M-PPL	<u>Human Serum Sexed Male Pool</u>	6L-50L	POA

Bovine Serum Albumin

Bovine Serum Albumin is a large, stable, soluble, monomeric, globular protein which makes up about half of the total serum protein. Due to its binding and transporting properties, BSA acts primarily as a carrier protein for hormones, fatty acids, trace minerals, vitamins and iron. However, it also plays a role in stabilising extracellular fluid volume and maintaining osmotic balance, as well as binding harmful toxins and free radicals.

Its *in vitro* uses are diverse, ranging from pharmaceutical and medical applications to agriculture and chemical manufacture.

We also offer a batch reservation service. Please enquire for more details.

Code	Description	Size	Price
SAB905	<u>Bovine Serum Albumin (Non Sterile)</u>	5g	POA
SAB910	<u>Bovine Serum Albumin (Non Sterile)</u>	10g	POA
SAB925	<u>Bovine Serum Albumin (Non Sterile)</u>	25g	POA

Other Sera

Code	Description	Size	Price
G410	<u>Goat Serum</u>	100ml	POA
G502	<u>Guinea Pig Serum</u>	25ml	POA
G800	<u>Mouse Serum</u>	5ml	POA
G802	<u>Mouse Serum, Sterile, 25ml</u>	25ml	POA
H110	<u>Rabbit Serum</u>	100ml	POA
H200	<u>Rat Serum</u>	5ml	POA
H202	<u>Rat Serum</u>	25ml	POA
G710	<u>Sheep Serum</u>	100ml	POA
G750	<u>Sheep Serum</u>	500ml	POA

MICROBIOLOGICAL MEDIA

BactiCount Dipslides

Dimanco BactiCount slides are designed to monitor working surfaces and fluids for bacterial or fungal contamination. Sides of meat and similar surfaces can also be tested. BactiCount is a plastic slide coated on both sides with microbiological culture media and is contained in its own sterile tube. The slide is hinged for ease of use.

Also available is the Incubator for BactiCount. A robust design manufactured from an unbreakable acid-proof synthetic material. The Incubator holds a maximum of 20 slides and the temperature can be adjusted from ambient to 40°C. Incubators are supplied with the temperature pre-set at 35°C.

Code	Description	Size	Price
Z3PC210	<u>APHA Plate Count Agar</u>	10 Slides	£10.90
Z3BV10	<u>Baird Park Medium / VRBG</u>	10 Slides	£13.55
Z3BRB2	<u>Double Rose Bengal Agar for Yeasts and Fungi Only</u>	10 Slides	£12.15
Z3E10	<u>Enterobacteriaceae for Bile Tolerant Organisms</u>	10 Slides	£10.90
Z3-CULT	<u>Incubator</u>	Each	£424.10
Z3SC2	<u>Nutrient Agar / MacConkey No.3</u>	10 Slides	£10.90
Z3SCN10	<u>Nutrient Agar / MacConkey No.3 with Neutralisers</u>	10 Slides	£10.90
Z3SRB10	<u>Nutrient Agar / Pseudomonas CFC Agar</u>	10 Slides	£10.90
Z3BT2	<u>Nutrient Agar with TTC</u>	10 Slides	£10.90
Z3BTM2	<u>Nutrient Agar with TTC / Malt Extract</u>	10 Slides	£10.90
Z3RBS10	<u>Nutrient Agar with TTC / Rose Bengal Chloramphenicol Agar</u>	10 Slides	£10.90
Z3PCV	<u>Plate Count / VRBG Agar</u>	10 Slides	£10.90
Z3TV10	<u>Plate Count / VRBG Agar with Neutralisers</u>	10 Slides	£10.90
Z3PO10	<u>Plate Count Agar / OGYE Agar</u>	10 Slides	£10.90
Z3TP10	<u>Plate Count Agar with Neutralisers</u>	10 Slides	£10.90
Z3TT2	<u>Standard Urine Dipslide with CLED / MacConkey Agar</u>	10 Slides	£10.90
Z3YF10	<u>Yeast / Fungi Slide</u>	10 Slides	£10.90

Compact Dry™ Chromogenic Media Plates

Hyserve Compact Dry™ plates provide a convenient test method for counting micro-organisms. The plates are supplied sterile and ready-to-use, and the media are dehydrated allowing for a long shelf life at room temperature. The incorporation of chromogenic agents in the media ensures that the plates are easy to interpret, making them an ideal alternative to the conventional culture plate method.

The plates can be used to test raw materials and finished products such as food, beverages, meat and cosmetics. Compact Dry™ is ideal for laboratory use and is portable, facilitating on-site sampling.

Code	Description	Size	Price
Z4-1002950	<u>Compact Dry AQ</u>	40 plates	POA
Z4-1002951	<u>Compact Dry AQ</u>	240 plates	POA
Z4-1402951	<u>Compact Dry AQ</u>	500 plates	POA
Z4-1502992	<u>Compact Dry AQ</u>	1404 plates	POA
Z4-1006731	<u>Compact Dry CC</u>	240 plates	POA
Z4-1006732	<u>Compact Dry CC</u>	40 plates	POA
Z4-1000867	<u>Compact Dry CF</u>	40 plates	POA
Z4-1000868	<u>Compact Dry CF</u>	240 plates	POA
Z4-1400868	<u>Compact Dry CF</u>	500 plates	POA
Z4-1502881	<u>Compact Dry CF</u>	1404 plates	POA
Z4-1000168	<u>Compact Dry EC</u>	40 plates	POA
Z4-1000169	<u>Compact Dry EC</u>	240 plates	POA
Z4-1400170	<u>Compact Dry EC</u>	500 plates	POA
Z4-1502880	<u>Compact Dry EC</u>	1404 plates	POA
Z4-1600001	<u>Compact Dry EC0 (EC Only)</u>	1404 plates	POA
Z4-1700001	<u>Compact Dry EC0 (EC Only)</u>	40 plates	POA
Z4-1700002	<u>Compact Dry EC0 (EC Only)</u>	240 plates	POA
Z4-1700003	<u>Compact Dry EC0 (EC Only)</u>	500 plates	POA
Z4-1002941	<u>Compact Dry ETB</u>	40 plates	POA
Z4-1002942	<u>Compact Dry ETB</u>	240 plates	POA
Z4-1402942	<u>Compact Dry ETB</u>	500 plates	POA
Z4-1502889	<u>Compact Dry ETB</u>	1404 plates	POA
Z4-1002944	<u>Compact Dry ETC</u>	40 plates	POA
Z4-1002945	<u>Compact Dry ETC</u>	240 plates	POA
Z4-1402945	<u>Compact Dry ETC</u>	500 plates	POA
Z4-1502993	<u>Compact Dry ETC</u>	1404 plates	POA
Z4-1502885	<u>Compact Dry LS™ (Listeria)</u>	1404 plates	POA
Z4-1000899	<u>Compact Dry LS? (Listeria)</u>	40 plates	POA

Z4-1001013	<u>Compact Dry LS? (Listeria)</u>	240 plates	POA
Z4-1401013	<u>Compact Dry LS? (Listeria)</u>	500 plates	POA
Z4-1002947	<u>Compact Dry PA</u>	40 plates	POA
Z4-1002948	<u>Compact Dry PA</u>	240 plates	POA
Z4-1002949	<u>Compact Dry PA</u>	500 plates	POA
Z4-1502949	<u>Compact Dry PA</u>	1404 plates	POA
Z4-1002938	<u>Compact Dry SL</u>	240 plates	POA
Z4-1002973	<u>Compact Dry SL</u>	40 plates	POA
Z4-1402938	<u>Compact Dry SL</u>	500 plates	POA
Z4-1502887	<u>Compact Dry SL</u>	1404 plates	POA
Z4-1000166	<u>Compact Dry TC</u>	40 plates	POA
Z4-1000167	<u>Compact Dry TC</u>	240 plates	POA
Z4-1400168	<u>Compact Dry TC</u>	500 plates	POA
Z4-1502879	<u>Compact Dry TC</u>	1404 plates	POA
Z4-1000900	<u>Compact Dry VP</u>	40 plates	POA
Z4-1001014	<u>Compact Dry VP</u>	240 plates	POA
Z4-1401014	<u>Compact Dry VP</u>	500 plates	POA
Z4-1502886	<u>Compact Dry VP</u>	1404 plates	POA
Z4-1002970	<u>Compact Dry XBC</u>	40 plates	POA
Z4-1002971	<u>Compact Dry XBC</u>	240 plates	POA
Z4-1402971	<u>Compact Dry XBC</u>	500 plates	POA
Z4-1502991	<u>Compact Dry XBC</u>	1404 plates	POA
Z4-1002960	<u>Compact Dry XSA (Staphylococcus aureus)</u>	40 plates	POA
Z4-1002961	<u>Compact Dry XSA (Staphylococcus aureus)</u>	240 plates	POA
Z4-1402961	<u>Compact Dry XSA (Staphylococcus aureus)</u>	500 plates	POA
Z4-1502990	<u>Compact Dry XSA (Staphylococcus aureus)</u>	1404 plates	POA
Z4-1000869	<u>Compact Dry YM</u>	40 plates	POA
Z4-1000870	<u>Compact Dry YM</u>	240 plates	POA
Z4-1400871	<u>Compact Dry YM</u>	500 plates	POA
Z4-1502882	<u>Compact Dry YM</u>	1404 plates	POA
Z4-1600869	<u>Compact Dry YM RAPID</u>	40 plates	POA
Z4-1600870	<u>Compact Dry YM RAPID</u>	240 plates	POA
Z4-1600871	<u>Compact Dry YM RAPID</u>	500 plates	POA
Z4-1602882	<u>Compact Dry YM RAPID</u>	1404 plates	POA
Z4-1000889	<u>Dilution Rack for Compact Dry - MRD</u>	128 racks per box	POA
Z4-1000888	<u>Dilution Rack for Compact Dry - PBS</u>	128 racks per box	POA
Z4-1000887	<u>Opener for Dilutions</u>		POA
Z4-1002952	<u>SWAB for Compact Dry</u>	240 swabs	POA
Z4-1002953	<u>SWAB for Compact Dry</u>	40 swabs	POA
Z4-1402954	<u>SWAB for Compact Dry</u>	600 swabs	POA

ANIMAL BLOOD PRODUCTS

Horse and sheep blood products are available in other pack sizes, bottle types and bags. [Please enquire](#).

Donor Sheep Blood

At TCS Biosciences Ltd, we have gained an outstanding reputation for service and satisfaction through dedication to our first business principle: quality.

Blood from our donor animals continues to play a vital role as a nutritional supplement in microbiological culture media, and also functions as a diagnostic indicator in media and test systems for clinical diagnosis.

Our specialised approach to quality assurance extends from animal husbandry through collection to processing and packaging, to ensure the consistent quality of our products.

Code	Description	Size	Price
SB006L	<u>Sheep Blood Defibrinated</u>	1 Litre (Bag)	POA
SB053	<u>Sheep Blood Defibrinated</u>	25ml	£7.15
SB054	<u>Sheep Blood Defibrinated</u>	100ml	£18.95
SB055	<u>Sheep Blood Defibrinated</u>	500ml	£80.20
SB092	<u>Sheep Blood Defibrinated</u>	250ml	POA
SB097	<u>Sheep Blood Defibrinated</u>	200ml	POA
SB065	<u>Sheep Blood in ACD</u>	25ml	POA
SB066	<u>Sheep Blood in ACD</u>	100ml	POA
SB067	<u>Sheep Blood in ACD</u>	500ml	POA
SB068	<u>Sheep Blood in Alsever's</u>	25ml	£5.55
SB069	<u>Sheep Blood in Alsever's</u>	100ml	£13.45
SB070	<u>Sheep Blood in Alsever's</u>	500ml	£59.15

Donor Horse Blood

Animal blood continues to play a vital nutritional role in microbiological culture media, and also functions as a diagnostic indicator in media and in test systems for clinical diagnosis.

For more than 40 years TCS has specialised in donor animal blood products, and has attained ever-higher standards of quality through continuous improvement of our processes. Quality assurance extends, via our supplier, Preston Farms, from animal husbandry through collection to processing, QC and packaging, to ensure you get the best possible products every time you order.

Code	Description	Size	Price
HB001B	<u>Horse Blood Defibrinated</u>	1 Litre (bag)	£78.50
HB029	<u>Horse Blood Defibrinated</u>	300ml	£28.30
HB030	<u>Horse Blood Defibrinated</u>	200ml	£20.60
HB032	<u>Horse Blood Defibrinated</u>	400ml	£38.25
HB033	<u>Horse Blood Defibrinated</u>	25ml	£4.95
HB034	<u>Horse Blood Defibrinated</u>	100ml	£11.60
HB035	<u>Horse Blood Defibrinated</u>	500ml	£47.70
HB045	<u>Horse Blood in ACD</u>	25ml	£5.60
HB046	<u>Horse Blood in ACD</u>	100ml	£11.85
HB047	<u>Horse Blood in ACD</u>	500ml	£50.95
HB048	<u>Horse Blood in Alsever's</u>	25ml	£3.80
HB049	<u>Horse Blood in Alsever's</u>	100ml	£9.80
HB050	<u>Horse Blood in Alsever's</u>	500ml	£41.95
HB073	<u>Horse Blood in EDTA</u>	500ml	£82.00
HB054	<u>Horse Blood in Heparin</u>	500ml	£85.60
HB024	<u>Horse Blood Lysed</u>	400ml	£47.10
HB025	<u>Horse Blood Lysed</u>	200ml	£26.55
HB026	<u>Horse Blood Lysed</u>	300ml	£37.45
HB036	<u>Horse Blood Lysed</u>	25ml	£6.45
HB037	<u>Horse Blood Lysed</u>	100ml	£14.50
HB038	<u>Horse Blood Lysed</u>	500ml	£65.85
HB056B	<u>Horse Blood Lysed</u>	1 Litre (bag)	£108.85
HB039	<u>Horse Blood Oxalated</u>	25ml	£5.60
HB040	<u>Horse Blood Oxalated</u>	100ml	£11.85
HB041	<u>Horse Blood Oxalated</u>	500ml	£51.40

Adult Chicken Cells

Adult Chicken Cells in Alsever's. The initial volume of Alsever's is removed along with the plasma, and the cells are re-suspended in a second volume of Alsever's. Minimum PCV is 15%. Antibiotics are added to protect the product from contamination.

Code	Description	Size	Price
FB010AP	<u>Chicken Blood Cells (Adult) in Alsever's</u>	10ml	£47.35
FB011AP	<u>Chicken Blood Cells (Adult) in Alsever's</u>	25ml	£82.95
FB012AP	<u>Chicken Blood Cells (Adult) in Alsever's</u>	50ml	£165.80
FB013AP	<u>Chicken Blood Cells (Adult) in Alsever's</u>	100ml	£331.40

Rabbit Blood

Rabbit Blood in Alsever's. Final concentration is Alsever's of 50%. Minimum PCV is 15%. Antibiotics are added to protect the product from contamination.

Rabbit Blood Defibrinated. Contains no anticoagulant. Minimum PCV is 32%. Antibiotics are added to protect the product from contamination.

Code	Description	Size	Price
RB051AP	<u>Rabbit Blood Defibrinated</u>	25ml	£142.25
RB054AP	<u>Rabbit Blood in Alsever's</u>	100ml	£387.90
RB056AP	<u>Rabbit Blood in Alsever's</u>	10ml	£55.70
RB052AP	<u>Rabbit Blood Defibrinated</u>	100ml	£484.80
RB053AP	<u>Rabbit Blood in Alsever's</u>	25ml	£97.00

Guinea Pig Blood Cells

Guinea Pig Blood Cells in Alsever's. The initial volume of Alsever's is removed along with the plasma, and the cells are re-suspended in a second volume of Alsever's. Minimum PCV is 15%. Antibiotics are added to protect the product from contamination.

Code	Description	Size	Price
PB029AP	<u>Guinea Pig Blood Cells in Alsever's</u>	5ml	£55.70
PB030AP	<u>Guinea Pig Blood Cells in Alsever's</u>	10ml	£109.35
PB031AP	<u>Guinea Pig Blood Cells in Alsever's</u>	25ml	£230.80
PB032AP	<u>Guinea Pig Blood Cells in Alsever's</u>	100ml	£678.65

HISTOLOGY

Embedding and Mounting Media

Code	Description	Size	Price
HC8535-100	Apathys Mounting Medium	100ml	£7.60
HC8542-100	Berlese Fluid (Gum Chloral)	100ml	£25.20
HC8545-500	Bouin Fixative	500ml	£9.60
HC5005-5L	Citroclear	5L	POA
HC8610-100	DPX Mounting Medium	100ml	£5.50
HC8610-500	DPX Mounting Medium	500ml	£20.10
HC8685-1L	Glycerol	1L	£14.45
HC8700-1	Gold Chloride (brown)	1g	POA
HC8705-1	Gold Chloride (yellow) Sodium Salt	1g	POA
HC8715-100	Immersion Oil	100ml	£8.15
HC8715-50	Immersion Oil	50ml	£5.20
HC8725-500	Methanol (Methyl Alcohol)	500ml	£3.15
HC8728-10	Michel Medium	10ml	£3.45
HC8728-1L	Michel Medium	1L	£51.25
HC6405-500	Periodic Acid (1% aqueous)	500ml	£13.35
HC6455-50	Periodic Acid (50% solution)	50ml	£37.70
HC8805-100	Silver Nitrate	100g	£163.05
HC8805-25	Silver Nitrate	25g	£45.60
HC8855-5L	Xylene	5L	£22.05

Buffers and Solutions

If you have a requirement for special, non-standard or standard buffers or other solutions not listed, please contact us for a quotation. We can custom manufacture buffers and solutions to your own specification or to a published protocol.

Code	Description	Size	Price
HDS05-100	Antigen Retrieval Buffer conc (100ml makes 10L)	100ml	£7.35
HDS40/7.2-500	Phosphate Buffered Saline Concentrate for Immunofluorescence pH 7.2 or 7.6	500ml	£9.00
HDS10-10V	Sorensen Buffer Concentrate pH 6.8	25ml x 10 vials	£23.25

DIAGNOSTIC KITS

Cellabs is a leading specialist in the development and manufacture of immunodiagnostic kits for infectious and tropical diseases. Products are developed with stability and ease of use in mind.

At their facility in Sydney, Australia, Cellabs manufactures a range of microscope-based immunofluorescent assays (IFA) and enzyme immunoassays (EIA) for large scale laboratory testing.

Diagnostic Kits

Code	Description	Size	Price
Z1KG2	<u>Giardia Celisa</u>	96 Test	£542.20
Z1KE1	<u>Entamoeba histolytica Celisa (Path)</u>	96 Test	£542.20
Z1KM2	<u>Malaria Ag Celisa</u>	192 Test	£677.90
Z1KM2BP	<u>Malaria Ag Celisa Bulk Pack</u>	960 Test	POA
Z1KMC3	<u>Pan Malaria Antibody Celisa</u>	192 Test	£677.90
Z1KT2	<u>T. cruzi IgG Celisa</u>	96 Test	£356.15
Z1KT3	<u>Toxocara IgG Celisa</u>	192 Test	£677.90
Z1KR2-PCS	<u>Crypto/Giardia Cel PCS</u>	Single Slide	£13.55
Z1KR1-PCS	<u>Crypto Cel PCS</u>	Single Slide	£13.55
Z1KG1-PCS	<u>Giardia Cel PCS</u>	Single Slide	£13.55
Z1KC2-PCS	<u>Chlamydia Cel LPS PCS</u>	Single Slide	£12.60
Z1KC1-PCS	<u>Chlamydia Cel PCS</u>	Single Slide	£12.60
Z1KC3-PCS	<u>Chlamydia Cel Pn PCS</u>	Single Slide	£16.10
Z1KR2-50T	<u>Crypto/Giardia Cel</u>	50 Tests	£508.55
Z1KR1-50T	<u>Crypto Cel</u>	50 Tests	£432.15
Z1KG1-50T	<u>Giardia Cel</u>	50 Tests	£415.25
Z1KC1-50T	<u>Chlamydia Cel</u>	50 Tests	£288.20
Z1KC2-50T	<u>Chlamydia Cel LPS</u>	50 Tests	£288.20
Z1KC3-50T	<u>Chlamydia Cel Pn</u>	50 Tests	£432.15
Z1KP2-50T	<u>Pneumo Cel Indirect</u>	50 Tests	£389.80

Serology and Microbiology

Our Rabbit Plasma Coagulase reagent is used in the tube test to detect free and/or bound coagulase produced by *S. aureus*. We also offer lyophilised Richardson's preserved Guinea Pig Complement, glycerated Rabbit Haemolytic Serum and Veronal Buffer for use in CF tests.

Code	Description	Size	Price
CP4X3	<u>Coagulase Plasma (Rabbit) for <i>S. aureus</i> Identification</u>	4x3ml	£19.90
RC2	<u>Rabbit Complement (Lyophilised)</u>	2ml	£4.95

Gonorrhoea and Streptococcus

Gonocheck II is a rapid confirmation test for *Neisseria* species and provides differential diagnostics of: *Neisseria gonorrhoea*, *Neisseria meningitidis*, *Neisseria lactamica*, *Moraxella (Branhamella) catarrhalis*.

The kit has a simple step-by-step protocol and provides easy to interpret chromogenic results. Sensitivity >95% on all *Neisseria* species, specificity >90% on all *Neisseria* species.

Code	Description	Size	Price
Z813-003-25	Gonocheck® II	25 Tests	£148.55
Z813-106-50	Oxidase Swabzymes	50 Swabs	£29.75
Z813-050-00	Strep-A-Check Kit	100 Tests	£141.90
Z813-051-00	Strep-A-Check Kit (Strips)	100 Strips	£102.90

MICROBIOLOGICAL QUALITY CONTROL

Selectrol® Micro-organisms

Selectrol® is a fully traceable and cost effective range of first generation micro-organisms which have predictable biochemical reactions, making it ideal for a variety of quality control and testing applications.

- **Quality control of culture media, staining reactions, biochemical profiling.**
- **Determination of antibiotic concentrations in blood, serum or CSF samples.**
- **Antibiotic susceptibility testing controls, whether by disc diffusion or serial dilution.**

Selectrol® is a first generation derivative of original stock cultures obtained exclusively from the National Collection of Type Cultures (NCTC®) or National Collection of Pathogenic Fungi (NCPF®). Where appropriate other international strain designations, such as the ATCC®, are listed for reference purposes only.

Selectrol® strains are presented as water-soluble freeze-dried discs with most strains being available in packs of 10 or 25 discs. Selectrol® is versatile, and can be inoculated directly onto solid media or dissolved in an appropriate broth.

Certificates of Analysis are available to download from our website: www.tcsbiosciences.co.uk.

To ensure you have the most recent Selectrol® listing, please contact our Customer Service team.



Selectrol® discs are manufactured under license from Public Health England.

NCTC® and NCPF® are trademarks of Public Health England.

ATCC® strains are listed for reference only.

ATCC® is a registered trademark of the American Type Culture Collection.

Code	Description	Size	WDCM	Price
MM70-10	<u>Burkholderia cepacia NCTC 10661 / ATCC® 17759</u>	10		£30.70
MM37-10	<u>Haemophilus influenzae NCTC 12975 / ATCC® 49766</u>	10		£47.70
MM66-10	<u>Listeria ivanovii NCTC ® 11007 / ATCC® 19119</u>	10	00018	£30.70
MM67-10	<u>Mycobacterium smegmatis NCTC ® 8159 / ATCC® 19420</u>	10		£47.70
MM22-10	<u>Proteus mirabilis NCTC ® 11938</u>	10	00023	£30.70
MM62-10	<u>Salmonella Enteritidis NCTC ® 12964 / ATCC® 13076</u>	10	00030	£30.70
MM07-10	<u>Shigella sonnei NCTC ® 12984 / ATCC 29930</u>	10	00127	£30.70
MM60-10	<u>Streptococcus dysgalactiae subsp. equisimilis NCTC ® 13762</u>	10		£30.70
MM25-10	<u>Acinetobacter baumannii NCTC 12156 / ATCC® 19606</u>	10		£30.70
MM94-10	<u>Aspergillus brasiliensis NCPF 2275 / ATCC® 16404</u>	10	00053	£47.70
MM21-10	<u>Bacillus cereus NCTC 10320 / ATCC® 9634 / 11778 / 19637</u>	10	00001	£30.70
MM86-10	<u>Bacillus cereus NCTC 7464 / ATCC® 10876</u>	10		£30.70
MM86-25	<u>Bacillus cereus NCTC 7464 / ATCC® 10876</u>	25		£47.70
MM29-10	<u>Bacillus subtilis NCTC 10400 / ATCC® 6633</u>	10	00003	£30.70
MM29-25	<u>Bacillus subtilis NCTC 10400 / ATCC® 6633</u>	25	00003	£47.70
MM44-10	<u>Bacteroides fragilis NCTC 9343 / ATCC® 25285</u>	10		£47.70
MM36-10	<u>Campylobacter jejuni NCTC 11351 / ATCC® 33560</u>	10		£47.70
MM82-10	<u>Campylobacter jejuni NCTC 11322 / ATCC® 29428</u>	10	00156	£47.70
MM42-10	<u>Candida albicans NCPF 3179 / ATCC® 10231</u>	10	00054	£30.70
MM42-25	<u>Candida albicans NCPF 3179 / ATCC® 10231</u>	25	00054	£47.70
MM28-10	<u>Candida albicans NCPF 3255 / ATCC® 2091</u>	10	00055	£30.70
MM28-25	<u>Candida albicans NCPF 3255 / ATCC® 2091</u>	25	00055	£47.70
MM69-10	<u>Candida glabrata NCPF 3309 / ATCC® 2001</u>	10		£30.70
MM71-10	<u>Candida guilliermondii NCPF 3099 / ATCC® 5276</u>	10		£30.70
MM53-10	<u>Candida krusei NCPF 3953/ATCC® 6258</u>	10		£30.70
MM72-10	<u>Candida lusitanae NCPF 3954</u>	10		£30.70
MM54-10	<u>Candida parapsilosis NCPF 8334/ATCC® 22019</u>	10		£30.70

MM61-10	<u>Candida tropicalis NCPF 3463</u>	10		£30.70
MM90-10	<u>Candida tropicalis NCPF 3290 / ATCC® 44508</u>	10		£30.70
MM27-10	<u>Citrobacter freundii NCTC 9750 / ATCC® 8090</u>	10		£30.70
MM45-10	<u>Clostridium perfringens NCTC 8237 / ATCC® 13124</u>	10	00007	£47.70
MM31-10	<u>Clostridium sporogenes NCTC 532 / ATCC® 19404</u>	10	00008	£47.70
MM26-10	<u>Enterobacter aerogenes NCTC 10006 / ATCC® 13048</u>	10	00175	£30.70
MM26-25	<u>Enterobacter aerogenes NCTC 10006 / ATCC® 13048</u>	25	00175	£47.70
MM01-10	<u>Enterobacter cloacae NCTC 13380 / ATCC® 23355</u>	10	00082	£30.70
MM51-10	<u>Enterobacter cloacae NCTC® 13406</u>	10		£30.70
MM18-10	<u>Enterococcus faecalis NCTC 12697 / ATCC® 29212</u>	10	00087	£30.70
MM18-25	<u>Enterococcus faecalis NCTC 12697 / ATCC® 29212</u>	25	00087	£47.70
MM52-10	<u>Enterococcus faecalis NCTC 13379 / ATCC® 51299</u>	10	00085	£30.70
MM17-10	<u>Enterococcus faecalis NCTC 775 / ATCC® 19433</u>	10	00009	£30.70
MM17-25	<u>Enterococcus faecalis NCTC 775 / ATCC® 19433</u>	25	00009	£47.70
MM23-10	<u>Enterococcus faecium NCTC 7171 / ATCC® 19434</u>	10	00010	£30.70
MM35-10	<u>Enterococcus hirae NCTC13383 / ATCC®10541</u>	10	00011	£30.70
MM34-10	<u>Escherichia coli (mcr-1) NCTC ® 13846</u>	10		£30.70
MM57-10	<u>Escherichia coli (CRE) NCTC 13476</u>	10		£30.70
MM33-10	<u>Escherichia coli NCTC 10418 / ATCC® 10536</u>	10		£30.70
MM63-10	<u>Escherichia coli NCTC 11560</u>	10		£30.70
MM24-10	<u>Escherichia coli NCTC 11954 / ATCC® 35218</u>	10		£30.70
MM24-25	<u>Escherichia coli NCTC 11954 / ATCC® 35218</u>	25		£47.70
MM02-10	<u>Escherichia coli NCTC 12241 / ATCC® 25922</u>	10	00013	£30.70
MM02-25	<u>Escherichia coli NCTC 12241 / ATCC® 25922</u>	25	00013	£47.70
MM38-10	<u>Escherichia coli NCTC 12923 / ATCC® 8739</u>	10	00012	£30.70
MM38-25	<u>Escherichia coli NCTC 12923 / ATCC® 8739</u>	25	00012	£47.70
MM75-10	<u>Escherichia coli NCTC 9001 / ATCC® 11775</u>	10	00090	£30.70
MM33-25	<u>Escherichia coli NCTC10418 / ATCC® 10536</u>	25		£47.70

MM93-10	<u>Escherichia coli O157 non-toxigenic NCTC 12900 / ATCC® 700728</u>	10	00014	£30.70
MM98-10	<u>Haemophilus influenzae NCTC 11931</u>	10		£47.70
MM81-10	<u>Haemophilus influenzae NCTC 12699 / ATCC® 49247</u>	10		£47.70
MM100-10	<u>Haemophilus influenzae NCTC 8468</u>	10		£47.70
MM88-10	<u>Klebsiella aerogenes NCTC 9528</u>	10		£30.70
MM58-10	<u>Klebsiella pneumoniae (CRE) NCTC 13438</u>	10		£30.70
MM55-10	<u>Klebsiella pneumoniae (CRE) NCTC 13440</u>	10		£30.70
MM59-10	<u>Klebsiella pneumoniae (CRE) NCTC 13442</u>	10		£30.70
MM56-10	<u>Klebsiella pneumoniae (CRE) NCTC 13443</u>	10		£30.70
MM83-10	<u>Klebsiella pneumoniae NCTC 13368 / ATCC® 700603</u>	10		£30.70
MM04-10	<u>Klebsiella pneumoniae NCTC 9633 / ATCC® 13883</u>	10	00097	£30.70
MM04-25	<u>Klebsiella pneumoniae NCTC 9633 / ATCC® 13883</u>	25	00097	£47.70
MM76-10	<u>Lactobacillus brevis NCTC 13386 / ATCC® 8287</u>	10		£47.70
MM99-10	<u>Legionella anisa NCTC 11974 / ATCC® 35292</u>	10	00106	£47.70
MM08-10	<u>Legionella pneumophila serogroup 1 NCTC 11192</u>	10	00107	£47.70
MM92-10	<u>Listeria innocua NCTC 11288 / ATCC® 33090</u>	10	00017	£30.70
MM47-10	<u>Listeria monocytogenes NCTC 10527/ATCC® 13932</u>	10	00021	£30.70
MM87-10	<u>Listeria monocytogenes NCTC 11994</u>	10	00019	£30.70
MM77-10	<u>Listeria monocytogenes NCTC 13372 ATCC® 7644</u>	10		£30.70
MM48-10	<u>Listeria monocytogenes NCTC 7973 / ATCC® 35152</u>	10	00109	£30.70
MM48-25	<u>Listeria monocytogenes NCTC 7973 / ATCC® 35152</u>	25	00109	£47.70
MM96-5	<u>Neisseria gonorrhoea NCTC 12700 / ATCC® 49226</u>	5		£47.70
MM05-5	<u>Neisseria gonorrhoea NCTC 8375 / ATCC® 19424</u>	5		£47.70
MM68-10	<u>Proteus mirabilis NCTC 10975</u>	10		£47.70
MM43-10	<u>Proteus mirabilis NCTC 13376 / ATCC® 14153</u>	10		£30.70
MM09-10	<u>Proteus vulgaris NCTC 4175 / ATCC® 13315</u>	10		£30.70
MM09-25	<u>Proteus vulgaris NCTC 4175 / ATCC® 13315</u>	25		£47.70
MM65-10	<u>Pseudomonas aeruginosa NCTC 10662 / ATCC® 25668</u>	10	00114	£30.70

MM10-10	<u><i>Pseudomonas aeruginosa</i> NCTC 12903 / ATCC® 27853</u>	10	00025	£30.70
MM10-25	<u><i>Pseudomonas aeruginosa</i> NCTC 12903 / ATCC® 27853</u>	25	00025	£47.70
MM40-10	<u><i>Pseudomonas aeruginosa</i> NCTC 12924 / ATCC® 9027</u>	10	00026	£30.70
MM40-25	<u><i>Pseudomonas aeruginosa</i> NCTC 12924 / ATCC® 9027</u>	25	00026	£47.70
MM41-10	<u><i>Pseudomonas aeruginosa</i> NCTC 13359 / ATCC® 15442</u>	10		£30.70
MM97-10	<u><i>Rhodococcus equi</i> NCTC 1621 / ATCC® 6939</u>	10	00028	£30.70
MM50-10	<u><i>Saccharomyces Cerevisiae</i> NCTC 10716/ATCC® 9763</u>	10	00058	£30.70
MM73-10	<u><i>Saccharomyces cerevisiae</i> NCPF 3178</u>	10		£30.70
MM84-10	<u><i>Salmonella nottingham</i> NCTC 7832</u>	10		£47.70
MM89-10	<u><i>Salmonella poona</i> NCTC 4840</u>	10		£30.70
MM89-25	<u><i>Salmonella poona</i> NCTC 4840</u>	25		£47.70
MM11-10	<u><i>Salmonella typhimurium</i> NCTC 12023/ ATCC® 14028</u>	10	00031	£30.70
MM11-25	<u><i>Salmonella typhimurium</i> NCTC 12023/ ATCC® 14028</u>	25	00031	£47.70
MM12-10	<u><i>Serratia marcescens</i> NCTC 13382 / ATCC 8100</u>	10		£47.70
MM46-10	<u><i>Staphylococcus aureus</i> NCTC 10788 / ATCC® 6538</u>	10	00032	£30.70
MM46-25	<u><i>Staphylococcus aureus</i> NCTC 10788 / ATCC® 6538</u>	25	00032	£47.70
MM64-10	<u><i>Staphylococcus aureus</i> NCTC 12493</u>	10	00212	£30.70
MM14-10	<u><i>Staphylococcus aureus</i> NCTC 12973 / ATCC® 29213</u>	10	00131	£30.70
MM14-25	<u><i>Staphylococcus aureus</i> NCTC 12973 / ATCC® 29213</u>	25	00131	£47.70
MM91-10	<u><i>Staphylococcus aureus</i> NCTC 13373 / ATCC® 43300</u>	10	00211	£30.70
MM85-10	<u><i>Staphylococcus aureus</i> NCTC 6571 / ATCC® 9144</u>	10	00035	£30.70
MM30-10	<u><i>Staphylococcus aureus</i> NCTC 7447 / ATCC® 6538P</u>	10	00033	£30.70
MM30-25	<u><i>Staphylococcus aureus</i> NCTC 7447 / ATCC® 6538P</u>	25	00033	£47.70
MM13-10	<u><i>Staphylococcus aureus</i> NCTC12981 / ATCC® 25923</u>	10	00034	£30.70
MM13-25	<u><i>Staphylococcus aureus</i> NCTC12981 / ATCC® 25923</u>	25	00034	£47.70
MM15-10	<u><i>Staphylococcus epidermidis</i> NCTC 13360 / ATCC® 12228</u>	10	00036	£30.70

MM15-25	<u>Staphylococcus epidermidis NCTC 13360 / ATCC® 12228</u>	25	00036	£47.70
MM16-10	<u>Streptococcus agalactiae NCTC 8181 / ATCC® 13813</u>	10		£30.70
MM19-10	<u>Streptococcus pneumoniae NCTC 12695 / ATCC® 6303</u>	10		£30.70
MM19-25	<u>Streptococcus pneumoniae NCTC 12695 / ATCC® 6303</u>	25		£47.70
MM95-10	<u>Streptococcus pneumoniae NCTC 12977 / ATCC® 49619</u>	10		£30.70
MM20-10	<u>Streptococcus pyogenes NCTC 12696 / ATCC® 19615</u>	10		£30.70
MM20-25	<u>Streptococcus pyogenes NCTC 12696 / ATCC® 19615</u>	25		£47.70
MM06-10	<u>Vibrio parahaemolyticus NCTC 10885</u>	10	00185	£47.70
MM80-10	<u>Yersinia enterocolitica NCTC 12982 / ATCC® 9610</u>	10	00038	£30.70
MM80-25	<u>Yersinia enterocolitica NCTC 12982 / ATCC® 9610</u>	25	00038	£47.70

DYES AND STAINS



TCS offers a comprehensive range of wet and dry dyes and stains. The range of wet stains includes ready-to-use as well as concentrated formats to suit specific needs. 500ml bottles are presented with pouring caps for ease of use. Stain packs are also available.

Dyes and Stains Ordering

A number of catalogue items (items requiring the addition of dry ice, dry dyes and stains and chemicals) are categorised as "Dangerous Goods" and are assigned UN numbers in line with ADR, IMDG and IATA regulations.

These products require special shipping arrangements and are subject to additional next day service freight surcharges (in addition to our standard freight charges).

We do have alternative Dangerous Goods road freight options shipping from TCS weekly.

For details of this service please contact [customer services](#) for a freight quotation.

Wet Dyes and Stains

StainHD

TCS Biosciences Ltd offers a comprehensive range of over 150 wet and dry dyes and stains. Our range includes ready-to-use kits as well as concentrated formats to suit specific needs. 500ml bottles are presented with pouring caps for ease of use. Our dry dyes and stains are available in pack sizes of 10g, 25g and 100g.

Code	Description	Size	Price
HK001	<u>Acid/formalin fixative</u>	100ml	POA
HS100-1L	<u>Acridine Orange in Acetate Buffer</u>	1L	£10.10
HS100-250	<u>Acridine Orange in Acetate Buffer</u>	250ml	£4.00
HS115-250	<u>Alcian Blue 8GX (1% w/v aqueous)</u>	250ml	£24.30
HS115-500	<u>Alcian Blue 8GX (1% w/v aqueous)</u>	500ml	£36.55
HS116-100	<u>Alcian Blue 8GX (1% w/v in 3% acetic acid)</u>	100ml	£12.40
HS116-250	<u>Alcian Blue 8GX (1% w/v in 3% acetic acid)</u>	250ml	£25.05
HS116-500	<u>Alcian Blue 8GX (1% w/v in 3% acetic acid)</u>	500ml	£37.40
HK002	<u>Alcoholic haematoxylin stain</u>	200ml	POA
HK003	<u>Ammonia solution</u>	100ml	POA
HK004	<u>Ammoniacal silver stain</u>	100ml	POA
HS200-100	<u>Amyloid Stain (Puchtler) Congo Red Stock Solution</u>	100ml	£9.25
HS200-500	<u>Amyloid Stain (Puchtler) Congo Red Stock Solution</u>	500ml	£35.10
HS145-1L	<u>Auramine Decolouriser (Lempert)</u>	1L	£8.95
HS145-500	<u>Auramine Decolouriser (Lempert)</u>	500ml	£5.45
HS140-1L	<u>Auramine Phenol (Lempert)</u>	1L	£14.80
HS140-250	<u>Auramine Phenol (Lempert)</u>	250ml	£5.95
HS140-500	<u>Auramine Phenol (Lempert)</u>	500ml	£9.00
HS135-250	<u>Auramine-Rhodamine-Phenol</u>	250ml	£8.60
HS135-500	<u>Auramine-Rhodamine-Phenol</u>	500ml	£16.65
HK005	<u>Brilliant Crystal Scarlet 6R</u>	100ml	POA
HS160-1L	<u>Carbol Fuchsin (Gram)</u>	1L	£11.90
HS160-250	<u>Carbol Fuchsin (Gram)</u>	250ml	£4.50
HS160-500	<u>Carbol Fuchsin (Gram)</u>	500ml	£7.05
HS180-250	<u>Carbol Fuchsin (Kinyoun)</u>	250ml	£6.10
HS180-500	<u>Carbol Fuchsin (Kinyoun)</u>	500ml	£9.35
HS170-1L	<u>Carbol Fuchsin (Ziehl-Neelsen)</u>	1L	£14.80
HS170-250	<u>Carbol Fuchsin (Ziehl-Neelsen)</u>	250ml	£5.95
HS170-500	<u>Carbol Fuchsin (Ziehl-Neelsen)</u>	500ml	£8.60

HK007	<u>Chromium trioxide solution</u>	100ml	POA
HS205-100	<u>Cotton Blue - Lactophenol (Amman)</u>	100ml	£7.60
HS205-250	<u>Cotton Blue - Lactophenol (Amman)</u>	250ml	£12.75
HS205-500	<u>Cotton Blue - Lactophenol (Amman)</u>	500ml	£23.90
HS230-1L	<u>Crystal Violet (Gram)</u>	1L	£14.05
HS230-250	<u>Crystal Violet (Gram)</u>	250ml	£5.45
HS230-500	<u>Crystal Violet (Gram)</u>	500ml	£8.20
HS232-1L	<u>Crystal Violet Oxalate (Gram)</u>	1L	£15.85
HS232-250	<u>Crystal Violet Oxalate (Gram)</u>	250ml	£6.35
HS232-500	<u>Crystal Violet Oxalate (Gram)</u>	500ml	£9.60
HS305X	<u>Diluent for Gram's Iodine working solution</u>	240ml	POA
HS235-500	<u>Elastin Stain (Miller)</u>	500ml	£17.85
HS260-1L	<u>Eosin Y (1% alcoholic)</u>	1L	£11.65
HS260-500	<u>Eosin Y (1% alcoholic)</u>	500ml	£6.95
HS250-1L	<u>Eosin Y (1% aqueous)</u>	1L	£10.20
HS250-500	<u>Eosin Y (1% aqueous)</u>	500ml	£6.15
HS255-500	<u>Eosin Y (5% aqueous)</u>	500ml	£20.50
HK008	<u>Ferric chloride solution</u>	100ml	POA
HS265-500	<u>Feulgen Stain (Schiff)</u>	500ml	£10.55
HS270-100	<u>Field's Stain (solution A)</u>	100ml	£4.15
HS270-1L	<u>Field's Stain (Solution A)</u>	1L	£15.30
HS270-500	<u>Field's Stain (Solution A)</u>	500ml	£9.75
HS275-100	<u>Field's Stain (Solution B)</u>	100ml	£4.05
HS275-1L	<u>Field's Stain (Solution B)</u>	1L	£15.30
HS275-500	<u>Field's Stain (solution B)</u>	500ml	£9.10
HS280-100	<u>Fuchsin Basic (sat. alcoholic solution)</u>	100ml	£11.75
HS280-250	<u>Fuchsin Basic (sat. alcoholic solution)</u>	250ml	£23.80
HS295-1L	<u>Giemsa Stain (modified)</u>	1L	£15.90
HS295-250	<u>Giemsa Stain (modified)</u>	250ml	£7.20
HS295-500	<u>Giemsa Stain (modified)</u>	500ml	£12.50
HS300-1L	<u>Giemsa Stain Rapid</u>	1L	£18.40
HS300-250	<u>Giemsa Stain Rapid</u>	250ml	£6.00
HK033	<u>Gold chloride aqueous</u>	50ml	POA
HS310-1L	<u>Gram's Decolouriser</u>	1L	£14.10
HS310-250	<u>Gram's Decolouriser</u>	250ml	£4.90
HS310-500	<u>Gram's Decolouriser</u>	500ml	£8.10
HS305-1L	<u>Gram's Iodine</u>	1L	£13.70
HS305-250	<u>Gram's Iodine</u>	250ml	£5.65
HS305-500	<u>Gram's Iodine</u>	500ml	£8.45
HS305Y	<u>Gram's Iodine concentrate</u>	10ml	POA

HS315-100	Haemalum Mayer	100ml	£4.60
HS315-1L	Haemalum Mayer	1L	£14.75
HS315-500	Haemalum Mayer	500ml	£8.85
HS330-100	Haematoxylin Ehrlich	100ml	£5.05
HS330-500	Haematoxylin Ehrlich	500ml	£13.40
HS335-1L	Haematoxylin Gill 1	1L	£24.70
HS335-500	Haematoxylin Gill 1	500ml	£13.60
HS340-500	Haematoxylin Gill 2	500ml	POA
HS345-1L	Haematoxylin Gill 3	1L	£16.05
HS345-500	Haematoxylin Gill 3	500ml	£9.60
HS356-100	Haematoxylin Harris (with acetic acid)	100ml	£4.30
HS356-1L	Haematoxylin Harris (with acetic acid)	1L	£16.10
HS356-500	Haematoxylin Harris (with acetic acid)	500ml	£9.60
HS351-1L	Haematoxylin Harris Modified (no acetic acid)	1L	£16.10
HS351-500	Haematoxylin Harris Modified (no acetic acid)	500ml	£9.60
HS375-1L	Haematoxylin Weigert Solution A	1L	£28.70
HS375-250	Haematoxylin Weigert Solution A	250ml	£9.60
HS375-500	Haematoxylin Weigert Solution A	500ml	£15.10
HS380-1L	Haematoxylin Weigert Solution B	1L	£20.10
HS380-250	Haematoxylin Weigert Solution B	250ml	£6.10
HS380-500	Haematoxylin Weigert Solution B	500ml	£12.85
HK009	Hexamine solution	50ml	POA
HK010	Hydrochloric acid	100ml	POA
HK011	Hydrochloric acid (<5%)	250ml	POA
HK012	Iron Alum	100ml	POA
HS390-1L	Jenner Stain (modified)	1L	POA
HS400-1L	Leishman Stain	1L	£15.00
HS400-500	Leishman Stain	500ml	£8.55
HS405-500	Light Green (Masson)	500ml	£17.25
HK013	Light Green solution	100ml	POA
HS425-1L	Lugol's Iodine	1L	£15.40
HS425-250	Lugol's Iodine	250ml	£6.00
HS425-500	Lugol's Iodine	500ml	£9.40
HS435-250	Malachite Green (ZN)	250ml	£6.00
HS435-500	Malachite Green (ZN)	500ml	£10.25
HK014	Martius yellow alcoholic	100ml	POA
HS445-1L	May Grunwald Stain (modified)	1L	£15.40
HS445-250	May Grunwald Stain (modified)	250ml	£5.65
HS445-500	May Grunwald Stain (modified)	500ml	£9.05
HS500-250	Methylene Blue (1% w/v alcoholic)	250ml	£5.95

HS500-500	<u>Methylene Blue (1% w/v alcoholic)</u>	500ml	£8.75
HS515-250	<u>Methylene Blue Polychrome (Loeffler)</u>	250ml	£9.65
HS515-500	<u>Methylene Blue Polychrome (Loeffler)</u>	500ml	£14.35
HS520-100	<u>Methylene Blue Polychrome (McFadyean)</u>	100ml	£5.65
HS520-250	<u>Methylene Blue Polychrome (McFadyean)</u>	250ml	£9.65
HS555-250	<u>Neutral Red (1% aqueous)</u>	250ml	£5.70
HS555-500	<u>Neutral Red (1% aqueous)</u>	500ml	£8.60
HS570-250	<u>Neutral Red (Jensen)</u>	250ml	POA
HS612-100	<u>Orcein Solution (Shikata)</u>	100ml	£16.80
HS612-500	<u>Orcein Solution (Shikata)</u>	500ml	£48.30
HK015	<u>Oxalic acid 1%</u>	250ml	POA
HK016	<u>Oxalic acid 5%</u>	250ml	POA
HK017	<u>Oxalic acid 5%</u>	100ml	POA
HS630-1L	<u>Papanicolaou Stain - EA50</u>	1L	£23.25
HS630-500	<u>Papanicolaou Stain - EA50</u>	500ml	£13.45
HS625-1L	<u>Papanicolaou Stain - EA65</u>	1L	POA
HS635-1L	<u>Papanicolaou Stain OG6</u>	1L	£14.10
HS650-250	<u>Perl Iron Stain 1 & 2 (twin pack)</u>	250ml	£14.05
HK018	<u>Phosphomolybdic acid</u>	250ml	POA
HK019	<u>Phosphotungstic acid</u>	100ml	POA
HK020	<u>Phosphotungstic acid solution</u>	250ml	POA
HS660-500	<u>Picric Acid (sat. alcoholic)</u>	500ml	£16.65
HS655-500	<u>Picric Acid (sat. aqueous)</u>	500ml	£8.20
HS670-500	<u>Ponceau Fuchsin (Masson)</u>	500ml	£18.45
HK021	<u>Potassium ferrocyanide</u>	100ml	POA
HK021B	<u>Potassium ferrocyanide</u>	250ml	POA
HK022	<u>Potassium permanganate</u>	100ml	POA
HK023	<u>Potassium permanganate 0.25%</u>	250ml	POA
HK024	<u>Potassium permanganate 0.5%</u>	250ml	POA
HS672-500	<u>Potassium Permanganate 1% aqueous</u>	500ml	£8.85
HS137-1L	<u>Potassium Permanganate for Fluorescent TB Stain (0.1% w/v aqueous)</u>	1L	£17.25
HS137-500	<u>Potassium Permanganate for Fluorescent TB Stain (0.1% w/v aqueous)</u>	500ml	£9.65
HS705A-500	<u>Rapid Romanowsky Stain Solution A</u>	500ml	£12.40
HS705B-500	<u>Rapid Romanowsky Stain Solution B</u>	500ml	£12.40
HS705C-500	<u>Rapid Romanowsky Stain Solution C</u>	500ml	£12.40
HS720-1L	<u>Safranin (1% aqueous)</u>	1L	£16.60
HS720-250	<u>Safranin (1% aqueous)</u>	250ml	£6.55
HS720-500	<u>Safranin (1% aqueous)</u>	500ml	£10.05
HS725-200	<u>Safranin (Gram) conc. 200ml makes 1 Litre</u>	200ml	£10.40

HK025	<u>Silver nitrate solution</u>	100ml	POA
HK034	<u>Silver nitrate solution</u>	2.5ml	POA
HK026	<u>Sodium chloride solution 1% alcoholic</u>	500ml	POA
HK030	<u>Sodium hydroxide 1%</u>	25ml	POA
HK031	<u>Sodium metabisulphite</u>	100ml	POA
HK037	<u>Sodium tetraborate</u>	1.2g	POA
HK027	<u>Sodium thiosulphate</u>	100ml	POA
HK032	<u>Sodium thiosulphate</u>	100ml	POA
HK028	<u>Soluble aniline blue</u>	100ml	POA
HK029	<u>Tannic acid mordant</u>	100ml	POA
HS763-500	<u>Thiazine Red</u>	500ml	POA
HS776-250	<u>Trichrome Stain For Microsporidia</u>	250ml	£23.05
HS775-250	<u>Trichrome Stain For Protozoa</u>	250ml	POA
HS780-100	<u>Van Gieson Stain</u>	100ml	£5.40
HS780-500	<u>Van Gieson Stain</u>	500ml	£18.20
HK036	<u>Weigert's Iodine</u>	100ml	POA
HS785-1L	<u>Wright Stain (modified)</u>	1L	£14.90
HS785-250	<u>Wright Stain (modified)</u>	250ml	£6.45
HS785-500	<u>Wright Stain (modified)</u>	500ml	£8.50
HS787-1L	<u>ZN Decolouriser</u>	1L	£11.70
HS787-250	<u>ZN Decolouriser</u>	250ml	£4.20
HS787-500	<u>ZN Decolouriser</u>	500ml	£6.75

Dry Dyes and Stains

StainHD

TCS Biosciences Ltd offers a comprehensive range of over 150 wet and dry dyes and stains. Our range includes ready-to-use kits as well as concentrated formats to suit specific needs. 500ml bottles are presented with pouring caps for ease of use. Our dry dyes and stains are available in pack sizes of 10g, 25g and 100g.

Code	Description	Size	Price
HD1040-10	<u>Alcian Blue 8GX</u>	10g	£36.70
HD1040-100	<u>Alcian Blue 8GX</u>	100g	£375.20
HD1040-25	<u>Alcian Blue 8GX</u>	25g	£96.25
HD1055-100	<u>Alizarin Red S</u>	100g	£54.80
HD1090-100	<u>Aniline Blue Water Soluble</u>	100g	£22.35
HD1090-25	<u>Aniline Blue Water Soluble</u>	25g	£8.40
HD1115-100	<u>Auramine O</u>	100g	£20.95
HD1140-25	<u>Azur I</u>	25g	£18.10
HD1145-10	<u>Azur II</u>	10g	£8.50
HD1175-25	<u>Biebrich Scarlet</u>	25g	£15.55
HD1190-10	<u>Brilliant Cresyl Blue</u>	10g	£18.55
HD1190-25	<u>Brilliant Cresyl Blue</u>	25g	£39.75
HD1245-10	<u>Chlorantine Fast Red</u>	10g	£36.30
HD1255 - 25	<u>Chromotrope 2R</u>	25g	£19.25
HD1270-10	<u>Congo Red</u>	10g	£6.50
HD1270-100	<u>Congo Red</u>	100g	£25.90
HD1290-10	<u>Crystal Ponceau (acid red 44)</u>	10g	£14.35
HD1295-10	<u>Crystal Violet</u>	10g	£5.60
HD1295-100	<u>Crystal Violet</u>	100g	£18.85
HD1295-25	<u>Crystal Violet</u>	25g	£7.40
HD1320-100	<u>Eosin Yellowish</u>	100g	£19.25
HD1320-25	<u>Eosin Yellowish</u>	25g	£7.60
HD1380-10	<u>Fast Green FCF</u>	10g	£24.10
HD1380-25	<u>Fast Green FCF</u>	25g	£54.25
HD1410-100	<u>Field's Stain A</u>	100g	£24.15
HD1410-25	<u>Field's Stain A</u>	25g	£9.00
HD1415-100	<u>Field's Stain B</u>	100g	£24.15
HD1415-25	<u>Field's Stain B</u>	25g	£9.00
HD1425-10	<u>Fuchsin Acid</u>	10g	£10.30

HD1425-25	<u>Fuchsin Acid</u>	25g	£18.40
HD1435-100	<u>Fuchsin Basic for ZN</u>	100g	£18.85
HD1435-25	<u>Fuchsin Basic for ZN</u>	25g	£7.55
HD1455-100	<u>Giemsa Stain</u>	100g	£52.30
HD1455-25	<u>Giemsa Stain</u>	25g	£13.35
HD1460-25	<u>Gram's Iodine</u>	25g	£7.40
HD1475-100	<u>Haematoxylin</u>	100g	£191.85
HD1475-25	<u>Haematoxylin</u>	25g	£71.15
HD1525-100	<u>Leishman Stain</u>	100g	£34.65
HD1525-25	<u>Leishman Stain</u>	25g	£13.70
HD1570-100	<u>Lugol's Iodine</u>	100g	£24.75
HD1570-25	<u>Lugol's Iodine</u>	25g	£9.80
HD1590-25	<u>Malachite Green</u>	25g	£8.95
HD1605-25	<u>May Grunwald Stain</u>	25g	£12.30
HD1620-25	<u>Methyl Blue</u>	25g	£8.45
HD1660-100	<u>Methylene Blue Alkaline (Loeffler)</u>	100g	£35.05
HD1660-25	<u>Methylene Blue Alkaline (Loeffler)</u>	25g	£14.00
HD1715-10	<u>Neutral Red</u>	10g	£8.25
HD1715-25	<u>Neutral Red</u>	25g	£16.35
HD1745-25	<u>Nuclear Fast Red</u>	25g	£179.15
HD1755-100	<u>Orange G (acid orange 10)</u>	100g	£20.30
HD1755-25	<u>Orange G (acid orange 10)</u>	25g	£8.20
HD1760-10	<u>Orcein (Synthetic)</u>	10g	£35.65
HD1775-10	<u>Pararosaniline HCl</u>	10g	£16.65
HD1800-100	<u>Ponceau de Xylidine</u>	100g	£32.20
HD1800-25	<u>Ponceau de Xylidine</u>	25g	£10.25
HD1785-10	<u>Ponceau Fuchsin (Masson)</u>	10g	£6.00
HD1785-25	<u>Ponceau Fuchsin (Masson)</u>	25g	£12.00
HD1850-100	<u>Safranin O</u>	100g	£45.10
HD1850-25	<u>Safranin O</u>	25g	£18.05
HD1960-10	<u>Toluidine Blue O (basic blue 17)</u>	10g	£13.30
HD1960-25	<u>Toluidine Blue O (basic blue 17)</u>	25g	£26.45

Stain Packs

StainHD

TCS Biosciences Ltd offers an extensive range of economical stain packs for all clinical disciplines. Many of the stain pack components are available separately in our Wet Dyes and Stains listing.

Code	Description	Size	Price
HS202	<u>Amyloid Stain Kit - Puchtler</u>	Kit	£35.20
HS805-MG	<u>Cold ZN - Kinyoun Stain Pack counterstain: Malachite Green</u>	3x250ml	£19.15
HS805-MB	<u>Cold ZN - Kinyoun Stain Pack counterstain: Methylene Blue</u>	3x250ml	£19.15
HS805-AMB	<u>Cold ZN - Kinyoun Stain Pack: Methylene Blue (alcoholic)</u>	3x250ml	£19.15
HS237	<u>Elastin Stain Kit - Miller/Van Gieson</u>	4x250ml	£44.80
HS800-F	<u>Gram's Stain Pack (Crystal Violet Oxalate) counterstain: Carbol Fuchsin</u>	4x250ml	£20.05
HS800-NR	<u>Gram's Stain Pack (Crystal Violet Oxalate) counterstain: Neutral Red</u>	4x250ml	£20.05
HS800-S	<u>Gram's Stain Pack (Crystal Violet Oxalate) counterstain: Safranin</u>	4x250ml	£20.05
HS802-F	<u>Gram's Stain Pack (Crystal Violet) counterstain: Carbol Fuchsin</u>	4x250ml	£20.05
HS802-NR	<u>Gram's Stain Pack (Crystal Violet) counterstain: Neutral Red</u>	4x250ml	£20.05
HS802-S	<u>Gram's Stain Pack (Crystal Violet) counterstain: Safranin</u>	4x250ml	£20.05
HS652	<u>Iron Stain Kit - Perl</u>	3x100ml	£10.65
HS443	<u>MSB Stain Pack - Fibrin</u>	5x100ml	£37.85
HS462	<u>Periodic Acid Schiff (PAS) Stain Kit</u>	3x100ml	£14.20
HS705	<u>Rapid Romanowsky Stain Pack</u>	3x500ml	£34.25
HS303	<u>Reticulin Stain Pack</u>	6x100ml	£68.95
HS820	<u>TB Pack Fluorescent Auramine-Rhodamine-Phenol</u>	3x250ml	£19.65
HS773-AB	<u>Trichrome Stain (Masson) Pack Aniline Blue</u>	4x250ml	£50.10
HS773-LG	<u>Trichrome Stain (Masson) Pack Light Green</u>	4x250ml	£50.10
HS810-MG	<u>Ziehl-Neelsen Stain Pack counterstain: Malachite Green</u>	3x250ml	£18.25
HS810-MB	<u>Ziehl-Neelsen Stain Pack counterstain: Methylene Blue</u>	3x250ml	£18.25
HS810-AMB	<u>Ziehl-Neelsen Stain Pack counterstain: Methylene Blue (alcoholic)</u>	3x250ml	£18.25

Stain Concentrates

StainHD

Stain concentrates must be diluted with distilled or deionised water before use, refer to the product label for correct dilution.

Stain concentrates are convenient, saving you valuable storage space.

Code	Description	Size	Price
HS142-100	<u>Auramine Phenol 10 x conc.</u>	each, to make 1l stain	£7.90
HS142-1L	<u>Auramine Phenol 10 x conc.</u>	1L	£40.15
HS165-100	<u>Carbol Fuchsin (Gram) 10 x conc.</u>	each, to make 1l stain	£5.85
HS165-1L	<u>Carbol Fuchsin (Gram) 10 x conc.</u>	1L	£29.00
HS175-150	<u>Carbol Fuchsin conc for Ziehl Neelsen (ZN) Stain</u>	each, to make 1l stain	£10.40
HS220-100	<u>Crystal Violet 10 x conc.</u>	each, to make 1l stain	£6.75
HS220-1L	<u>Crystal Violet 10 x conc.</u>	1L	£34.70
HS235-250	<u>Elastin Stain (Miller)</u>	250ml	POA
HS240-250	<u>Elastin Stain (Weigert)</u>	250ml	POA
HS307-100	<u>Gram's Iodine 10 x conc.</u>	each, to make 1l stain	£5.25
HS345-100	<u>Haematoxylin Gill 3</u>	100ml	POA
HS405-250	<u>Light Green (Masson)</u>	250ml	POA
HS430-100	<u>Lugol's Iodine 10 x conc.</u>	each, to make 1l stain	£9.00
HS430-1L	<u>Lugol's Iodine 10 x conc.</u>	1L	£63.90
HS440-100	<u>Malachite Green 10 x conc.</u>	each, to make 1l stain	£6.95
HS505-100	<u>Methylene Blue (ZN) 10 x conc.</u>	each, to make 1l stain	POA
HS505-1L	<u>Methylene Blue (ZN) 10 x conc.</u>	1L	POA
HS555-100	<u>Neutral Red (1% aqueous)</u>	100ml	POA
HS565-100	<u>Neutral Red (Jensen) 10 x conc.</u>	each, to make 1l stain	£6.95
HS565-1L	<u>Neutral Red (Jensen) 10 x conc.</u>	1L	£33.75
HC6405-100	<u>Periodic Acid (1% aqueous)</u>	100ml	POA
HS670-250	<u>Ponceau Fuchsin (Masson)</u>	250ml	POA
HS762-100	<u>Thiazine Red 10 x conc.</u>	each, to make 1l stain	£10.15
HS762-1L	<u>Thiazine Red 10 x conc.</u>	1L	£51.20
HS780-250	<u>Van Gieson Stain</u>	250ml	POA

CRYPTOSPORIDIUM AND GIARDIA

TCS is currently Europe's leading supplier to the water industry of testing reagents for *Cryptosporidium* and *Giardia*. Our range includes the best FITC stains, precise quantitative controls, and our popular Isolate® IMS equipment and reagents.

Although the stringent water industry *Cryptosporidium* testing regulations are no longer in force, we have retained our system for ensuring continuity of supply, which means we always have stocks of key products available for immediate despatch.

Immunomagnetic Separation

Isolate® offers unique, semi automated immunomagnetic separation (IMS) of *Cryptosporidium* oocysts in environmental water samples. The unique automation of the Isolate® test standardises the rocking motion, resulting in improved consistency and reliability of results.

Isolate® yields increased recoveries of oocysts and produces good results even when using dirty water samples. In addition Isolate® is able to process pellets up to 2 ml in volume, reducing the need for split samples and multiple slides.

Cryptosporidium oocysts in the concentrate are captured and separated by magnetic action. Separated oocysts are stained with an approved FITC antibody stain, and visualised by fluorescence microscopy.

Code	Description	Size	Price
ZAICS100	Isolate® <i>Cryptosporidium</i> IMS kit and reagents	100 Tests	£1,371.00
ZAICS0	Isolate® Semi-Automated Bead Recovery System		£2,299.70
ZAICS6	Leighton Tube	16 x 125mm (36 per box)	£385.50

FITC Conjugated antibodies *Cryptosporidium* / *Giardia*



Crypto/Giardia-Cel FITC Stain, produced by Cellabs and EasyStain™, produced by Biopoint are *in vitro* immunofluorescent tests for the simultaneous detection of *Cryptosporidium* oocysts and *Giardia* cysts in faecal and environmental samples.

Since we began offering FITC stains in 2000, we have emerged as Europe's leading specialist supplier of *Cryptosporidium* and *Giardia* positive controls, reagents and equipment. We have focused on building a product range that includes innovative products from around the world, and which is unrivalled by any other supplier of *Cryptosporidium* and *Giardia* related products in Europe.

Code	Description	Size	Price
Z1RR2	<u><i>Cryptosporidium</i> and <i>Giardia</i> FITC Stain</u>	100 Tests	£1,316.80
Z1RR2 - NEB	<u><i>Cryptosporidium</i> and <i>Giardia</i> FITC stain (without Evans Blue)</u>	100 Tests	£1,316.80
Z1RR1	<u><i>Cryptosporidium</i> FITC Stain</u>	100 Tests	£389.50
Z1RR1 W/O EVANB	<u><i>Cryptosporidium</i> FITC stain (without Evans Blue)</u>	100 Tests	£389.50
Z1RG1	<u><i>Giardia</i> FITC Stain</u>	100 Tests	£389.50
Z1RG1 - NEB	<u><i>Giardia</i> FITC stain (without Evans Blue)</u>	100 Tests	£389.50
Z9EST-C240	<u>EasyStain® <i>Cryptosporidium</i></u>	240 Tests	£1,401.20
Z9EST-CG240	<u>EasyStain® <i>Cryptosporidium</i> and <i>Giardia</i></u>	240 Tests	£2,422.00
Z9EST-CG80	<u>EasyStain® <i>Cryptosporidium</i> and <i>Giardia</i></u>	80 Tests	£1,418.40
Z1MM10	<u>Mounting Fluid</u>	10ml	£14.70
Z1NV12	<u>Nail Varnish for Microscopy</u>	8ml	£6.70

Enumerated Quality Control Products *Cryptosporidium* / *Giardia*

Since we began offering FITC stains in 2000, we have emerged as Europe's leading specialist supplier of *Cryptosporidium* and *Giardia* positive controls, reagents and equipment. We have focused on building a product range that includes innovative products from around the world, and which is unrivalled by any other supplier of *Cryptosporidium* and *Giardia* related products in Europe.

Code	Description	Size	Price
Z9CS-CG100	<u>ColorSeed™ containing 100 <i>Cryptosporidium</i> oocysts and 100 <i>Giardia</i> cysts</u>	10 Vials	£997.40
Z9ES-C100	<u>EasySeed™ containing 100 <i>Cryptosporidium</i> oocysts</u>	10 Vials	£815.10
Z9ES-CG100	<u>EasySeed™ containing 100 <i>Cryptosporidium</i> oocysts and <i>Giardia</i> cysts</u>	10 Vials	£886.40

Inactive Bulk *Cryptosporidium* oocysts and *Giardia* cysts

Since we began offering FITC stains in 2000, we have emerged as Europe's leading specialist supplier of *Cryptosporidium* and *Giardia* positive controls, reagents and equipment. We have focused on building a product range that includes innovative products from around the world, and which is unrivalled by any other supplier of *Cryptosporidium* and *Giardia* related products in Europe.

Code	Description	Size	Price
Z9C10E7	<u>Inactive Bulk <i>Cryptosporidium</i> Oocysts 10⁷</u>	1 Vial	£973.20
Z9C10E8	<u>Inactive Bulk <i>Cryptosporidium</i> Oocysts 10⁸</u>	1 Vial	POA
Z9C10E9	<u>Inactive Bulk <i>Cryptosporidium</i> Oocysts 10⁹</u>	1 Vial	POA
Z9GC10E6	<u>Inactive Bulk <i>Giardia</i> Cysts 10⁶</u>	1 Vial	£924.20
Z9GC10E7	<u>Inactive Bulk <i>Giardia</i> Cysts 10⁷</u>	1 Vial	POA

ELIGENE® KITS

DNA/RNA Isolation & Spectral Calibration

Code	Description	Size	Price
Z10-90069-NGS	<u>EliGene® Adaptor-IL</u>		POA
Z10-90074-50	<u>EliGene® Blood DNA Isolation Kit</u>		POA
Z10-90071-RT	<u>EliGene® Coeliac 3.0. RT</u>		POA
Z10-90066-NGS	<u>EliGene® Colorectum NGS</u>		POA
Z10-90068-NGS	<u>EliGene® GIST NGS</u>		POA
Z10-90072	<u>EliGene® HSV1/HSV2/VZV</u>		POA
Z10-90045-RT	<u>EliGene® Lactose intolerance G-22018A RT</u>		POA
Z10-90099-SC	<u>EliGene® LC Spectral Calibration Kit</u>	1 reaction	POA
Z10-90099-SC2	<u>EliGene® LC Spectral Calibration Kit 2</u>	1 reaction	POA
Z10-90067-NGS	<u>EliGene® Lung NGS</u>		POA
Z10-90043-50	<u>EliGene® MTB Isolation Kit</u>	50 isolations	POA
Z10-12200-MTB-IZO	<u>EliGene® MTB Isolation Supplement</u>	50 isolations	POA
Z10-90051-50SPO	<u>EliGene® Semen Isolation Supplement</u>	50 isolations	POA
Z10-90070-LC	<u>EliGene® TBEV LC</u>		POA
Z10-90073	<u>EliGene® Ureaplasma/Mycoplasma</u>	Kit	POA
Z10-90051-50	<u>EliGene® Isolation Kit</u>	50 isolations	POA
Z10-90099-SCP	<u>EliGene® LC Spectral Calibration Plate</u>	1 piece	POA

Human Genetics

Code	Description	Size	Price
Z10-90048-RT	EliGene®_Coeliac RT Kit	50 reactions	POA
Z10-90048-RT28	EliGene®_Coeliac RT28 Kit	50 reactions	POA
Z10-90060-RT	EliGene®_Spondylitis HLA-B27 RT Kit	50 reactions	POA

Bacterial Infections

Code	Description	Size	Price
Z10-90061-UNI	EliGene® Anaplasma phagocytophilum UNI Kit	50 reactions	POA
Z10-90030-UNI	EliGene® MTB UNI Kit	50 reactions	POA

Viral Infections

Code	Description	Size	Price
Z10-90036-RT	EliGene® Adenovirus RT Kit	50 reactions	POA
Z10-90053-LC	EliGene® Enterovirus LC Kit	50 reactions	POA
Z10-90037-RT	EliGene® HBV RT Kit	50 reactions	POA
Z10-90037-UNI	EliGene® HBV UNI Kit	50 reactions	POA
Z10-90059-LC	EliGene® HCV LC Kit	50 reactions	POA
Z10-90062-UNI	EliGene® HSV1 / HSV2	50 reactions	POA
Z10-90054-LC	EliGene® Norovirus LC Kit	50 reactions	POA

Sexually Transmitted Genitourinary Infections

Code	Description	Size	Price
Z10-90046-UNI	EliGene® Chlamydia trachomatis UNI Kit	50 reactions	POA
Z10-90052-UNI	EliGene® Mycoplasma hom/gen UNI Kit	50 reactions	POA
Z10-90047-UNI	EliGene® Neisseria UNI Kit	50 reactions	POA
Z10-90049-UNI	EliGene® Ureaplasma UNI Kit	50 reactions	POA

Respiratory Infections

Code	Description	Size	Price
Z10-90056-UNI	EliGene® <i>Legionella pneumophila</i> UNI Kit	50 reactions	POA
Z10-90055-UNI	EliGene® <i>Mycoplasma pneumoniae</i> UNI	50 reactions	POA
Z10-90057-UNI	EliGene® <i>Chlamydophila pneumoniae</i> UNI Kit	50 reactions	POA
Z10-90058-LC	EliGene® Influenza A/B/pandemic LC	50 reactions	POA

REALTIME PCR INSTRUMENTS

Code	Description	Size	Price
Z10-M-7002-180	<u>Magneto 1ml Serum/Plasma DNA/RNA Isolation Kit</u>	180 isolations	POA
Z10-M-7001-180	<u>Magneto BodyFluid DNA/RNA Isolation Kit</u>	180 isolations	POA
Z10-Z-MAG-12	<u>ZEPHYRUS® Magneto</u>	1 piece	POA
Z10-Z-PCR-600-A-EN	<u>ZEPHYRUS® PCR Box Harmony Active</u>	1 piece	POA
Z10-Z-PCR-600-EN	<u>ZEPHYRUS® PCR Box Harmony Basic</u>	1 piece	POA
Z10-Z-PCR-600-E-EN	<u>ZEPHYRUS® PCR Box Harmony Eco</u>	1 piece	POA

PLINOSA® K-1600 ASSAY KIT AN INNOVATION FOR SEPSIS SCREENING

The PliNOSa® K-1600 Assay Kit is a novel *in vitro* diagnostic immunoassay for the early identification of sepsis.

The PliNOSa® test detects inducible Nitric Oxide Synthase (iNOS) on microvesicles in plasma, an innovation in sepsis disease pathology.

The PliNOSa® test can help physicians make better and more informed choices for improved patient management.

iNOS has specifically been implicated in sepsis, severe sepsis and septic shock. The PliNOSa® K-1600 assay kit provides accurate measurement of circulating iNOS concentrations in plasma samples via a chemiluminescent sandwich EIA. Each kit is for 96 tests.

Code	Description	Size	Price
Z5-K-1600	<u>PliNOSa® Test Plasma iNOS EIA</u>	Kit	POA

TECTA™ MICROBIOLOGY DETECTION SYSTEM

The TECTA™ B16 is a complete, self-contained automated microbiology testing system capable of providing laboratory-grade results on-site with unprecedented time-to-result performance.

Full automation of the test analysis and interpretation processes eliminates the need for subjective, visual interpretation of results. An objective, written test report is produced for each sample tested.

Extreme ease-of-use means that even non-technical personnel can initiate testing and perform all required quality assurance procedures to ensure laboratory-grade test results.

Code	Description	Size	Price
Z-TECTA CCA	CCA All-In-One Cartridge E.coli / Total Coliforms	Per test	£17.05
Z-TECTA CCA-48	CCA All-In-One Cartridge E.coli / Total Coliforms	48 tests	£818.40
Z-TECTA ECA	ECA All-In-One Cartridge E.coli	Per test	£17.05
Z-TECTA ECA-48	ECA All-In-One Cartridge E.coli	48 tests	£818.40
Z-TECTA ENA	ENA All-In-One Cartridge Enterococcus	Per test	£17.05
Z-TECTA ENA-48	ENA All-In-One Cartridge Enterococcus	48 tests	£818.40
Z-TECTA FCA	FCA All-In-One Cartridge Fecal Coliforms	Per test	£17.05
Z-TECTA FCA-48	FCA All-In-One Cartridge Fecal Coliforms	48 tests	£818.40
Z-TECTA B16	Tecta B16 Instrument		£27,920.20
Z-TECTA B4	Tecta B4 Instrument		£16,414.20

HUMAN PLATELET LYSATE (HPL)

Blood-derived Products

Code	Description	Size	Price
Z11-PL-HPU-BAG.02	<u>PL Human Platelet Units - Out-dated Human Platelets, frozen - approx. 200 mL (HPL).</u>	200ml	POA

Heparin Products

Heparin Products (used in combination with non-Fibrinogen Depleted human Platelet Lysate products)

Code	Description	Size	Price
Z11-PL-SUP-500	PL Supplement - Heparin [5.000 U/mL] (HPL)	0.5ml	POA
Z11-PL-SUP-500-XF	PL Supplement-XF - Heparin, Xeno-free [12.5 mg/mL] (HPL)	0.5ml	POA

Fibrinogen-Depleted and Gamma-Irradiated HPL Products

Human Platelet Lysate Products (Fibrinogen-Depleted and Gamma-Irradiated)

Code	Description	Size	Price
Z11-PLS-050.03-FDi	<u>PL Solution-FDi - Fibrinogen-depleted human Platelet Lysate, US origin - gamma irradiated (HPL)</u>	50ml	POA
Z11-PLS-100.03-FDi	<u>PL Solution-FDi - Fibrinogen-depleted human Platelet Lysate, US origin - gamma irradiated (HPL)</u>	100ml	POA
Z11-PLS-500.03-FDi	<u>PL Solution-FDi - Fibrinogen-depleted human Platelet Lysate, US origin - gamma irradiated (HPL)</u>	500ml	POA
Z11-PLS-050.03-XFi	<u>PL Solution-XFi - Fibrinogen-depleted human Platelet Lysate, Xeno-free, US origin - gamma irradiated (HPL)</u>	50ml	POA
Z11-PLS-100.03-XFi	<u>PL Solution-XFi - Fibrinogen-depleted human Platelet Lysate, Xeno-free, US origin - gamma irradiated (HPL)</u>	100ml	POA
Z11-PLS-500.03-XFi	<u>PL Solution-XFi - Fibrinogen-depleted human Platelet Lysate, Xeno-free, US origin - gamma irradiated (HPL)</u>	500ml	POA

Fibrinogen-Depleted HPL Products

Human Platelet Lysate Products (Fibrinogen-Depleted)

Code	Description	Size	Price
Z11-PLS-010.01-FD	<u>PL Solution-FD - Fibrinogen-depleted human Platelet Lysate, US origin - no heparin required (HPL)</u>	10ml	POA
Z11-PLS-010.02-FD	<u>PL Solution-FD - Fibrinogen-depleted human Platelet Lysate, US origin - no heparin required (HPL)</u>	10ml	POA
Z11-PLS-050.01-FD	<u>PL Solution-FD - Fibrinogen-depleted human Platelet Lysate, US origin - no heparin required (HPL)</u>	50ml	POA
Z11-PLS-050.02-FD	<u>PL Solution-FD - Fibrinogen-depleted human Platelet Lysate, US origin - no heparin required (HPL)</u>	50ml	POA
Z11-PLS-100.01-FD	<u>PL Solution-FD - Fibrinogen-depleted human Platelet Lysate, US origin - no heparin required (HPL)</u>	100ml	POA
Z11-PLS-100.02-FD	<u>PL Solution-FD - Fibrinogen-depleted human Platelet Lysate, US origin - no heparin required (HPL)</u>	100ml	POA
Z11-PLS-500.02-FD	<u>PL Solution-FD - Fibrinogen-depleted human Platelet Lysate, US origin - no heparin required (HPL)</u>	500ml	POA
Z11-PLS-500.01-FD	<u>PL Solution-FD - Fibrinogen-depleted human Platelet Lysate, US origin - no PL Solution-FD - Fibrinogen-depleted human Platelet Lysate, US origin - no heparin required (HPL)</u>	500ml	POA
Z11-PLS-010.01-XF	<u>PL Solution-XF - Fibrinogen-depleted human Platelet Lysate, Xeno-free, US origin - no heparin required (HPL)</u>	10ml	POA
Z11-PLS-050.01-XF	<u>PL Solution-XF - Fibrinogen-depleted human Platelet Lysate, Xeno-free, US origin - no heparin required (HPL)</u>	50ml	POA
Z11-PLS-050.02-XF	<u>PL Solution-XF - Fibrinogen-depleted human Platelet Lysate, Xeno-free, US origin - no heparin required (HPL)</u>	50ml	POA
Z11-PLS-100.01-XF	<u>PL Solution-XF - Fibrinogen-depleted human Platelet Lysate, Xeno-free, US origin - no heparin required (HPL)</u>	100ml	POA
Z11-PLS-100.02-XF	<u>PL Solution-XF - Fibrinogen-depleted human Platelet Lysate, Xeno-free, US origin - no heparin required (HPL)</u>	100ml	POA
Z11-PLS-500.01-XF	<u>PL Solution-XF - Fibrinogen-depleted human Platelet Lysate, Xeno-free, US origin - no heparin required (HPL)</u>	500ml	POA
Z11-PLS-500.02-XF	<u>PL Solution-XF - Fibrinogen-depleted human</u>	500ml	POA

Z11-PLS-010.02-XF	<u>Platelet Lysate, Xeno-free, US origin - no heparin required (HPL)</u>	10ml	POA
	<u>PL Solution-XF - Fibrinogen-depleted human Platelet Lysate, Xeno-free, US origin -no heparin required (HPL)</u>		

Standard HPL Products

Human Platelet Lysate Products (Standard)

Code	Description	Size	Price
Z11-PLS-025.01	<u>PL Solution - Human Platelet Lysate - heparin required (HPL).</u>	25ml	POA
Z11-PLS-100.01	<u>PL Solution - Human Platelet Lysate - heparin required (HPL).</u>	100ml	POA
Z11-PLS-100.02b	<u>PL Solution - Human Platelet Lysate - heparin required (HPL).</u>	100ml	POA
Z11-PLS-100.02c	<u>PL Solution - Human Platelet Lysate - heparin required (HPL).</u>	100ml	POA
Z11-PLS-500.01	<u>PL Solution - Human Platelet Lysate - heparin required (HPL).</u>	500ml	POA
Z11-PLS-500.02	<u>PL Solution - Human Platelet Lysate - heparin required (HPL).</u>	500ml	POA
Z11-PLS-050.01-US	<u>PL Solution-US - Human Platelet Lysate, US origin - heparin required (HPL).</u>	50ml	POA
Z11-PLS-050.02-US	<u>PL Solution-US - Human Platelet Lysate, US origin - heparin required (HPL).</u>	50ml	POA
Z11-PLS-100.01-US	<u>PL Solution-US - Human Platelet Lysate, US origin - heparin required (HPL).</u>	100ml	POA
Z11-PLS-100.02-US	<u>PL Solution-US - Human Platelet Lysate, US origin - heparin required (HPL).</u>	100ml	POA
Z11-PLS-500.01-US	<u>PL Solution-US - Human Platelet Lysate, US origin - heparin required (HPL).</u>	500ml	POA
Z11-PLS-500.02-US	<u>PL Solution-US - Human Platelet Lysate, US origin - heparin required (HPL).</u>	500ml	POA

Xeno-free Cell Culture Supplement Products

Xeno-free Cell Culture Supplement Products

Code	Description	Size	Price
Z11-ELA-PR-050.01	ELAREM Prime (OEM) (HPL)	50ml	POA
Z11-ELA-PR-500.01	ELAREM Prime (OEM) (HPL)	500ml	POA

CARDINAL BIOLOGICALS INC.

Body Fluids

Code	Description	Size	Price
Z12-600-63	Cadaveric CSF		POA
Z12-600-60	Cerebral Spinal Fluid		POA
Z12-600-62	Seminal Fluid		POA
Z12-600-61	Urine		POA

Plasma

Code	Description	Size	Price
Z12-500-50	<u>Umbilical Cord Plasma</u>		POA

Serum

Code	Description	Size	Price
Z12-400-40	<u>Umbilical Cord Serum</u>		POA

Microscope Slides - Stained

Code	Description	Size	Price
Z12-300-33	Animal Microscope Slides - Stained		POA
Z12-300-34	Blood Smears Microscope Slides - Stained		POA
Z12-300-32	Human Microscope Slides - Stained		POA

Microscope Slides - Unstained

Code	Description	Size	Price
Z12-300-31	Animal Microscope Slides - Unstained		POA
Z12-300-30	Human Microscope Slides - Unstained		POA

Placentas

Code	Description	Size	Price
Z12-100-15	Amniotic Fluid		POA
Z12-100-11	Placentas- Fresh		POA
Z12-100-12	Placentas- Frozen		POA
Z12-100-13	Placentas- Pre cut		POA
Z12-100-14	Umbilical Cords		POA

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ACCREDITATIONS



TCS Biosciences Ltd

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Terms and Conditions

1. Contracts

1.1 Contracts with TCS Biosciences Limited ('the Company') shall be for the supply of the Company's Products ('the Products') and shall be subject to these Terms and Conditions.

1.2 The catalogue, price list, estimate or quotation of the Company comprises an invitation to treat which is open for a period of twenty eight (28) days from the date thereof unless otherwise specified in writing **PROVIDED THAT** the Company has not previously withdrawn it. Any order issued by the Customer is subject to acceptance by the Company and a contract will only be formed when the Company has accepted the Customer's offer. Any offer made by the Company orally must be confirmed in writing by the Customer.

1.3 All orders are accepted under these Terms and Conditions alone and supersede all previous agreements and exclude any purported terms and conditions in the Customer's order.

1.4 No servant or agent of the Company has authority to make any representation or give any warranty in relation to the Products other than in the documents enclosed with the Company's quotation or acknowledgement of order.

2. Quotations and Prices

2.1 Customers will be invoiced by the Company at the Company's prices ruling at the date of despatch of the Products.

2.2 Prices quoted in the Company's quotation or price lists:

a) are those then current and shall not be binding on the Company.
b) do not include Value Added Tax, or any other tax, levy, duty or surcharge whether imposed before or after making the Contract.

2.3 Packing and postage or carriage and a small handling charge may be charged extra at the Company's discretion.

3. Orders

3.1 All Orders by the Customer:

a) must be numbered.
b) must identify the Products by reference to a catalogue number and a description of the Products.
c) must specify the address to which the Products are to be delivered ('the place of delivery').
d) must specify the address to which the invoice is to be sent.

3.2 Orders made by telephone must be confirmed in writing by the Customer within 48 hours on order forms marked 'Confirmation of telephone order'.

3.3 By agreement between the Company and the Customer orders for the Products may be established for delivery by instalments.

3.4 By agreement between the Company and the Customer orders for the Products may be held on reserve for an agreed period ('Reserve Holding Period')

4. Variations

No variation of any Contract shall be valid and binding unless the terms thereof have been agreed in writing by both the Company and the Customer.

5. Catalogues, etc

Any description of the Products appearing in the Company's catalogues, brochures, and other publications is believed to be correct and up-to-date but is not warranted by the Company. The Company accepts no responsibility for the accuracy of any description provided from information from a third party supplier.

6. Specification and material

6.1 All Products will be supplied to the Company's specification current at the date of commencement of manufacture of the Products.

6.2 Products will be made from the Company's standard materials; but, if for any reason such materials are unavailable, the Company reserves the right to substitute the most suitable alternative that can be obtained at the time of manufacture.

6.3 The Company will replace any Product which prove to be defective provided that claims are made by the Customer within ten days of the date of delivery. There will be no replacement of Products which have been processed or interfered with other than by the Company or which have not been stored according to the Company's instructions.

7. Limitations of Liability

7.1 To the maximum extent permitted by applicable law, the Company excludes all guarantees, representations, warranties or conditions (whether express or implied, statutory or otherwise). Customer's sole remedy is application of condition 6.3.

7.2 To the maximum extent permitted by applicable law, the Company shall not be liable for any loss of profits or consequential loss or indirect loss suffered by the Customer (howsoever arising). Non-exhaustive illustrations of consequential or indirect loss would be:

7.2.1 loss of revenue;

7.2.2 loss of Contracts;

7.2.3 damage to property of the Customer, or anyone else;

7.2.4 personal injury to the Customer or anyone else (except so far as such injury is attributable to the Company's negligence);

7.2.5 site labour costs including removal, replacement or making good or delay or disturbance to other works.

7.3 To the maximum extent permitted by applicable law, the Company's total liability for any one claim or for the total of all claims arising from any one act or default of the Company (whether arising from the Company's negligence or otherwise) shall not exceed the Contract price.

7.4 The Customer shall keep the Company indemnified against all actions, costs, claims and liability arising from fault or unsuitable instructions given by the Customer or from allegations of breach of Intellectual Property rights of a third party arising out of the Customer's instructions.

7.5 In the case of Products not manufactured by the Company, the Company gives no representation, warranty or condition whatsoever that the sale or use of the Products will not infringe patent, copyright or other Intellectual Property rights of any person, firm or Company.

8. Products to the Customer's Specification

Where the Company supplies Products to a Customer in accordance with the Customer's specification, any addition or alteration shall be subject to an extra charge and the Customer shall indemnify the Company against all claims, damages, penalties, costs and expenses to which it may become liable through the infringement of the rights of third parties.

9. Delivery

9.1 Delivery will be deemed to have been effected when the Products are delivered to the Customer unless agreed otherwise by the Company in writing.

9.2 Time of delivery is not of the essence.

9.3 The Company shall not be liable for any loss, whatsoever and howsoever arising, caused by its non-delivery.

9.4 When the Company conveys the Products the Customer shall be responsible for providing proper unloading facilities (including adequate plant and labour) and storage facilities.

10. Inspection/Shortages/Defects

10.1 The Customer is under a duty wherever possible to inspect the Products on delivery or on collection as the case may be.

10.2 Where the products cannot be examined, the carrier's note or such other note as appropriate shall be marked 'not examined'.

10.3 The Company shall be under no liability for any defects or shortages that would be apparent on careful inspection if the terms of Clauses 10.1 and 10.2 are not complied with, and, in any event, will be under no liability if a written complaint is not delivered to the Company within seven (7) days of delivery detailing the alleged defect or shortage. Damage in transit by a carrier must also be notified within the time imposed by its contract.

10.4 Subject to Clause 10.3, all Products manufactured and supplied by the Company are guaranteed against faults in workmanship or materials which have been notified to it within three (3) months of delivery and will be repaired and replaced by it free of charge as soon as reasonably practicable **PROVIDED THAT** no liability arising out of any of the following circumstances shall be accepted by the Company.

10.4.1 work carried out by others to the Products;

10.4.2 Customer's neglect or misuse;

10.4.3 unsuitability of the Products for use with other materials unless the Customer has previously notified the Company in writing of the specific materials with which the Products are to be used;

10.4.4 failure to give reasonable opportunity for the Company to inspect, repair or replace Products.

10.5 Returns of either defective or non-defective Products must be cleared with the Company before their return. In the case of defective Products returned with prior approval for the Company to replace, these must be returned to the Company delivery paid. In the case of non-defective Products approved for return, these must be returned to the Company works delivery paid and, in addition, the Company reserves the right to charge fifteen per cent (15%) handling charge.

11. Non-acceptance of delivery

If the Customer fails to take or accept delivery of the Products in accordance with Condition 9 hereof the price shall nevertheless be paid in accordance with Condition 14 as if delivery had taken place. The Company shall be entitled to charge the Customer for storage, insurance and other expenses reasonably incurred or suffered by the Company as a result of such failure but the Company shall not be

bound to take any steps for the custody or care of the Products or be liable for any loss or damage suffered by the Customer arising therefrom.

12. Delay

Any times quoted for delivery are to be treated as estimated only and will not involve the Company in any liability for failure to deliver the Products within such time. Where for any reason delivery of the Products to the Customer is delayed the Customer shall take delivery of the Products sold within 3 days of being requested by the Company.

13. Force majeure

The Company shall not be liable for failure to comply with the terms of the Contract owing to Acts of God, force majeure, riots and civil commotion, war, disease, strike, lock-out, labour disputes, fire or any other cause whatsoever beyond the Company's control.

14. Payment

14.1 Except where a credit account has been opened for the Customer by the Company, payment shall be made in as soon as the Products have been delivered or against a pro-forma invoice.

14.2 Credit account invoices are due for payment 30 days from the end of the month following that in which the invoice is dated. All invoices are strictly net.

14.3 Payment of credit account invoices by their due date is a condition precedent to the fulfilment of the Company's further obligations under the Contract in respect of which such default has been made or any other Contract then subsisting between the Company and the Customer.

14.4 If the Customer fails to make any payment due to the Company by the due date for payment, then, without limiting Customer's other remedies, Customer shall pay interest on the overdue amount at the rate of 4% per annum above Barclay's Bank's base lending rate from time to time. Such interest shall accrue on a daily basis from the due date until the date of actual payment of the overdue amount, whether before or after judgement. Customer shall pay the interest together with the overdue amount.

15. Risk and Passing of Title

15.1 Products supplied by the Company shall be at the Customers risk immediately on delivery in accordance with Clause 9 and the Customer should therefore be insured accordingly. Where stock is subject to prepayment and storage agreement, risk will pass immediately to the customer as soon as payment is received.

15.2 Property in the Products supplied hereunder will pass to the Customer when:

15.2.1 the Products, the subject of this Contract, have been paid in full; and

15.2.2 all other Products, the subject of any other Contract between the Company and the Customer which at the time of payment of the full price of the Products sold under this Contract, have been delivered to the Customer but not paid for in full, have been paid for in full as well.

15.3 Until full payment has been received by the Company, the Customer shall hold the Products in a fiduciary capacity for the Company in a manner which enables them to be identified as the Products of the Company and the Customer shall immediately return the Products to the Company should its authorised representative so request. All the normal incidents associated with a fiduciary relationship shall apply.

15.4 The Customer's rights to possession of the Products shall cease if he does anything or fails to do anything which would entitle an Administrator or Administrative Receiver to take possession of any assets or would entitle any person to present a Petition for winding-up.

15.5 The Customer grants the Company irrevocable licence to enter at any time any vehicles or premises owned or occupied by the Customer or in its possession for the purpose of repossessing and removing any such Products the property in which has remained in the Company under Clause 15 hereof. The Company shall not be responsible for and the Customer will indemnify the Company against liability in respect of damages caused by such vehicles or premises in such re-possession and removal being damage it was not reasonably practicable to avoid.

15.6 Notwithstanding Clause 15.3 hereof the Customer shall be permitted to sell the Products to third parties in the normal course of business. In this respect the Customer shall act in the capacity of a Commission Agent and the proceeds of any such sale shall be held in trust for the Company in a manner which enables the Customer as Commission Agent a commission depending upon the surplus which the Commission Agent can obtain over and above the sum stipulated under the original Contract of supply which will satisfy the Company.

15.7 If the Product the property of the Company are admixed with products the property of any person other than the Customer the product thereof shall be deemed to be owned in common with that other person.

16. Instalments and Reservations

16.1 Where the Products are delivered by instalments in accordance with Condition 3.3:

a) each delivery shall be deemed to constitute a separate enforceable Contract and

b) no delivery may be changed or cancelled unless the Customer has given the Company 14 days written notice prior to the date of despatch.

16.2 Where the Products are held on reserve in accordance with condition 3.4, the Customer agrees to purchase the balance of products within the applicable Reserve Holding Period.

17. Cancellation

Contracts and special orders may not be cancelled by the Customer without the written consent of the Company, in the event of the Products being returned to the Company as a result of the cancellation of a Contract, the Company reserves the right to make a cancellation charge calculated by the Company based on the costs of the Company which cannot be recovered together with a handling or restocking charge.

18. Insolvency

The Company shall have the right to terminate the Contract forthwith by notice in writing where the Customer becomes insolvent or bankrupt or makes any arrangement with its creditors or suffers a receiver to be appointed or being a body corporate enters into liquidation (other than in connection with a reconstruction or amalgamation) in any of which the cases the Company shall have no further obligation hereunder and the price for all the Products delivered or despatched from the Company's premises shall become immediately due and payable.

19. Protection of Intellectual Property

19.1 The trademarks, trade names, know-how, copyrights, design rights, goodwill, patents and all other proprietary rights ('the Intellectual Property') arising out of or existing in or upon the Products or the documentation referred to in Clause 5 are the property of the Company or are licensed to the Company.

19.2 The Customer shall not cause or permit anything which may damage or endanger the Intellectual Property of the Company or the Company's Title to it, nor assist nor allow others to do so and shall maintain as confidential both during the Contract as well as at all times thereafter all information relating to the Company, the Products and the Intellectual Property.

19.3 The Customer shall notify the Company of any suspected infringement of the Intellectual Property.

19.4 The Customer shall not tamper with any markings or name plates or other indications of the source or origin of the Products which may be placed by the Company upon its Products.

19.5 The Intellectual Property is licensed on a limited non-exclusive basis to the Customer to use for its own purposes but such Licence shall automatically be revoked in the event that any of the circumstances mentioned in Clause 18 apply and in the event that payment is not made in accordance with Clause 14.

20. Notice

Any notice to be served on either of the parties shall be in writing and sent to the last known address of the recipient or to such other address as the recipient may designate by notice given in accordance with the provisions of this Clause. Any such notice may be delivered personally or by first class pre-paid letter, telex, or facsimile transmission and shall be deemed to have been effectively served if by hand when delivered, if by first class post forty-eight hours (48) after posting and if by telex or facsimile transmission when despatched.

21. Non-assignment

The Customer shall not assign his rights or liabilities under a Contract made subject to these Terms and Conditions.

22. Waiver

Failure by the Company to endorse a term of the Contract shall not prevent the subsequent enforcement of that or any other term of the Contract.

23. **Validity** If any provision or part of these Terms and Conditions is held to be invalid, amendments to these Terms and Conditions may be made by the addition or deletion of words or as appropriate to remove the invalid part or provision but otherwise retain the provision and the other provisions of these Terms and Conditions to the maximum extent permissible under applicable law.

24. Proper Law

Contracts made with the Company shall be governed by and construed according to the laws of England and the Customer agrees to submit to the jurisdiction of English Courts.