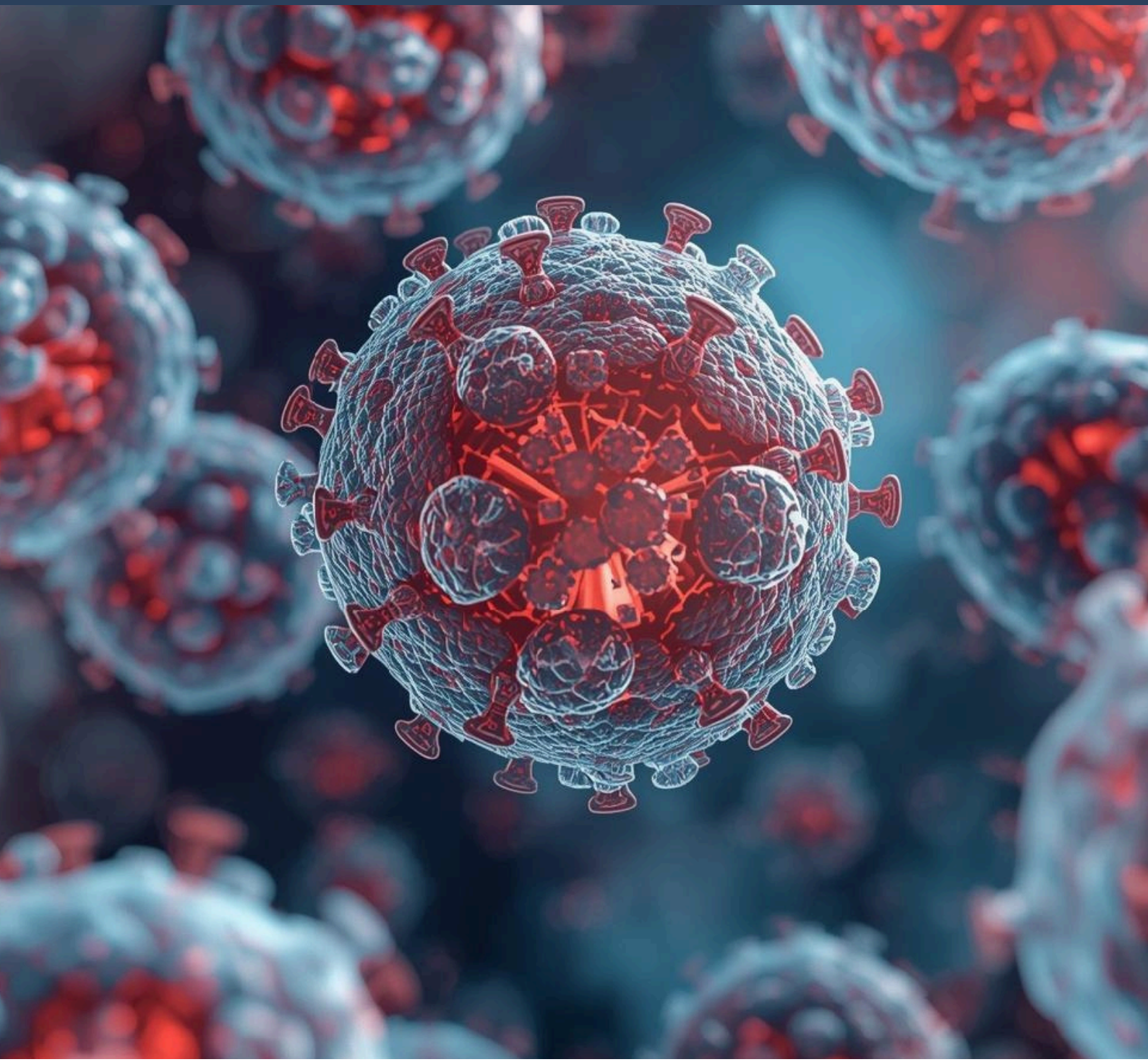
Product and Price guide



TCS Biosciences Ltd

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E. & O.E

ORDERING INFORMATION

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

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

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.

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 £6.00 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 £9.00 will be applied.

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

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1. Animal Blood, Serum & Plasma

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.

1.1: Guinea Pig Blood Cells in Alsever's

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	Guinea Pig Blood Cells in Alsever's	5ml	£81.10
PB030AP	Guinea Pig Blood Cells in Alsever's	10ml	£159.10
PB031AP	Guinea Pig Blood Cells in Alsever's	25ml	£335.80
PB032AP	Guinea Pig Blood Cells in Alsever's	100ml	£987.30

1.2: 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	Rabbit Blood Defibrinated	25ml	£207.00
RB052AP	Rabbit Blood Defibrinated	100ml	£705.30
RB053AP	Rabbit Blood in Alsever's	25ml	£141.10
RB054AP	Rabbit Blood in Alsever's	100ml	£564.30
RB056AP	Rabbit Blood in Alsever's	10ml	£81.10

1.3: Chicken Blood Cells (Adult) in Alsever's

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	Chicken Blood Cells (Adult) in Alsever's	10ml	£68.90
FB011AP	Chicken Blood Cells (Adult) in Alsever's	25ml	£120.70
FB012AP	Chicken Blood Cells (Adult) in Alsever's	50ml	£241.20
FB013AP	Chicken Blood Cells (Adult) in Alsever's	100ml	£482.20

1.4: 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 50 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	Horse Blood Defibrinated	1 Litre (bag)	£102.20
HB029	Horse Blood Defibrinated	300ml	£36.90
HB030	Horse Blood Defibrinated	200ml	£26.80
HB032	Horse Blood Defibrinated	400ml	£49.80
HB033	Horse Blood Defibrinated	25ml	£6.45
HB034	Horse Blood Defibrinated	100ml	£15.15
HB035	Horse Blood Defibrinated	500ml	£62.20
HB047	Horse Blood in ACD	500ml	£66.30
HB048	Horse Blood in Alsever's	25ml	POA
HB049	Horse Blood in Alsever's	100ml	£15.50
HB050	Horse Blood in Alsever's	500ml	£62.20
HB073	Horse Blood in EDTA	500ml	£106.70
HB054	Horse Blood in Heparin	500ml	£160.70
HB037	Horse Blood Lysed	100ml	£18.80
HB038	Horse Blood Lysed	500ml	£85.70
HB056B	Horse Blood Lysed	1 Litre (bag)	£141.65
HB040	Horse Blood Oxalated	100ml	£15.45

1.5: 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
SB053	Sheep Blood Defibrinated	25ml	£9.35
SB054	Sheep Blood Defibrinated	100ml	£24.70
SB055	Sheep Blood Defibrinated	500ml	£104.30
SB068	Sheep Blood in Alsever's	25ml	£9.35
SB069	Sheep Blood in Alsever's	100ml	£24.70
SB070	Sheep Blood in Alsever's	500ml	£104.30

1.6: Donor Bovine Serum

High quality suppliers of Fetal and Donor Bovine serum for cell culture, plus our range of Microbiological Quality Control product

Code	Description	Size	Price
CSF02	Donor Bovine Serum, Gamma Irradiated New Zealand Origin	500ml	POA
CSF100	Donor Bovine Serum, Gamma Irradiated New Zealand Origin	1000ml	POA
CS0021	Donor Bovine Serum, Heat Inactivated New Zealand Origin	500ml	POA
DBS100	Donor Bovine Serum, New Zealand Origin	1000ml	POA
DBS500	Donor Bovine Serum, New Zealand Origin	500ml	POA

1.7: Donor Horse Serum

Tissue culture scientists need to have complete confidence that the serum they use meets their specific needs, and that properly validated procedures have been used to demonstrate this. It is therefore important that all operations from the animal blood to the finished product are quality controlled and fully documented.

Thorough biological testing is carried out to assure performance and to eliminate potential biological hazards.

Code	Description	Size	Price
HA001	Donor Horse Serum, Defibrinated UK Origin	100ml	£15.00
HA002	Donor Horse Serum, Defibrinated UK Origin	500ml	£61.85
HA005	Donor Horse Serum, Heat Inactivated UK Origin	100ml	£21.95
HA006	Donor Horse Serum, Heat Inactivated UK Origin	500ml	£65.75

1.8: Horse Plasma

We supply high-quality horse plasma for use in cell culture, diagnostics, and research. Collected under controlled conditions, our plasma is processed to ensure consistency, safety, and reliability for scientific and industrial applications.

Code	Description	Size	Price
HS019	Horse Plasma, Citrated	500ml	POA
HS018	Horse Plasma, Heparinised	500ml	POA

1.9: Small Animal Sera

Our range of speciality sera includes species-specific options beyond the commonly used bovine and equine sources, providing flexible, high-quality solutions for cell culture, diagnostics, and research applications.

Code	Description	Size	Price
CP4X3	Coagulase Plasma (Rabbit) for S. aureus Identification	4x3ml	POA
G410	Goat Serum	100ml	POA
G502	Guinea Pig Serum	25ml	POA
G800	Mouse Serum	5ml	POA
G802	Mouse Serum, Sterile, 25ml	25ml	POA
H110	Rabbit Serum	100ml	POA
H200	Rat Serum	5ml	POA
H202	Rat Serum	25ml	POA
G710	Sheep Serum	100ml	POA
G750	Sheep Serum	500ml	POA

1.10: Bovine Serum

TCS Biosciences Ltd is pleased to offer Donor Bovine Serum of New Zealand origin for cell culture, microbiology and diagnostic applications.

1.11: Fetal Bovine Serum

TCS Biosciences Ltd is pleased to offer Fetal (Foetal) Bovine Serum (FBS) of Australian, New Zealand and South American origin for cell culture, microbiology and diagnostic applications.

Code	Description	Size	Price
FBSIAE1000	Fetal Bovine Serum Gamma Irradiated, Australian Origin	1000ml	POA
FBSIAE500	Fetal Bovine Serum Gamma Irradiated, Australian Origin	500ml	POA
FBSIN1000	Fetal Bovine Serum Gamma Irradiated, New Zealand Origin	1000ml	POA
FBSIN500	Fetal Bovine Serum Gamma Irradiated, New Zealand Origin	500ml	POA
FBSIU1000	Fetal Bovine Serum Gamma Irradiated, US Origin	1000ml	POA
FBSIU500	Fetal Bovine Serum Gamma Irradiated, US Origin	500ml	POA
CF018.	Fetal Bovine Serum South American	500ml	£225.00

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

1.12: Newborn Calf Serum

Newborn Calf Serum (NBCS) is suitable for use in many applications including cell culture by promoting cell lines and primary cultures. Suitability testing is the most reliable method of determining that a batch is suitable for use in its intended application.

Code	Description	Size	Price
CS004	Newborn Calf Serum, New Zealand Origin	500ml	POA

1.13: Bovine Hemoglobin

Bovine haemoglobin is a high-quality protein sourced from cattle, widely used in culture media and research applications to support reliable growth and testing.

1.14: 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.

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

2. Cell Culture Solutions and Reagents

We supply a comprehensive portfolio of cell culture reagents and supplements for clinical, research and industrial applications. Our range includes animal-free recombinant proteins, customisable and dissolvable Smart MCs microcarriers, hydrogels, non-adherent reagents, laboratory equipment and consumables, alongside animal serum and plasma.

2.1: Laboratory Equipment & Consumables

TCS Biosciences, in partnership with Smart MCs, supplies high-quality laboratory equipment and consumables to support reliable and efficient cell culture workflows. These products are designed for consistency, ease of use and compatibility with advanced cell and tissue culture applications.

Code	Description	Size	Price
ZSMC-CF-1	Cell Factory System	1 x 1 Layer, 635 cm^2, Vent Cap, 8 PCs	£275.00
ZSMC-CF-10	Cell Factory System	1 x 10 Layers, 6,350 cm^2, Vent Cap, 4 PCs	£374.00
ZSMC-CF-2	Cell Factory System	1 x 2 Layers, 1,270 cm^2, Vent Cap, 8 PCs	£355.00
ZSMC-CF-40	Cell Factory System	1 x 40 Layers, 25,400 cm^2, Vent Cap, 2 PCs	£782.00
ZSMC-CF-5	Cell Factory System	1 x 5 Layers, 3,175 cm^2, Vent Cap, 6 PCs	£429.00
ZSMC-CS-005	Cell Strainer	5µm Pore Size - 100 PCs	£150.00
ZSMC-CS-010	Cell Strainer	10µm Pore Size - 100 PCs	£150.00
ZSMC-CS-020	Cell Strainer	20µm Pore Size - 100 PCs	£150.00
ZSMC-CS-040	Cell Strainer	40µm Pore Size - 100 PCs	£150.00
ZSMC-CS-070	Cell Strainer	70µm Pore Size - 100 PCs	£150.00
ZSMC-CS-100	Cell Strainer	100µm Pore Size - 100 PCs	£150.00
ZSMC-CS-200	Cell Strainer	200µm Pore Size - 100 PCs	£150.00
ZSMC-CS-300	Cell Strainer	300µm Pore Size - 100 PCs	£150.00
ZSMC-CS-420	Cell Strainer	420µm Pore Size - 100 PCs	£150.00
ZSMC-LCV-5L	Large Culture Vessel	1	£697.00
ZSMC-MS-4U-0.5-I	Magnetic Stirrer (4 Position), 0.5 L Capacity	1 x Inline Configuration	£275.00
ZSMC-MS-4U-0.5-S	Magnetic Stirrer (4 Position), 0.5 L Capacity	1 x Square Configuration	£190.00

ZSMC-MS-6U-0.5-S	Magnetic Stirrer (6 Position), 0.5 L Capacity, Square Configuration	1	£375.00
ZSMC-MS-9U-0.5-I	Magnetic Stirrer (9 Position), 0.5 L Capacity, Inline Configuration	1	£475.00
ZSMC-MS-1U-15L	Magnetic Stirrer (Single), 15 L Capacity	1	£220.00
ZSMC-SP-001	Microfluidic Syringe Pump	1	£950.00
ZSMC-MM-001	Monodisperse Microspheres	1	£500.00
ZSMC-OS-20	Orbital Shaker	Orbital shaker with flat tray, 40-200 RPM, for cell culture and lab mixing.	£300.00
ZSMC-OS-20Pro	Orbital Shaker	Orbital shaker with universal tray, 40-200 RPM, extended timer.	£300.00
ZSMC-P2DB-600g	P2 Dissolving Buffer	600g	£3,750.00
ZSMC-P2DB-60g	P2 Dissolving Buffer	60g	£750.00
ZSMC-P2DB-6g	P2 Dissolving Buffer	6g	£150.00
ZSMC-PP-V1	Peristaltic Pump - V1	Precision peristaltic pump (LabV1), 0.05-295 mL/min, for microfluidics and cell culture perfusion.	£950.00
ZSMC-PP-V6	Peristaltic Pump - V6	High-flow peristaltic pump (V6), 0.3-6000 mL/min, for media transfer and bioprocessing.	£1,250.00
ZSMC-RL-2L-1700	Roller Bottle	2L, 1,700 cm^2, Ribbed, Seal Cap, 20 PCs	£143.00
ZSMC-RL-2L-850	Roller Bottle	2L, 850 cm^2, Seal Cap, 40 PCs	£214.00
ZSMC-SE-010	Smart Emulsifier	10ml	£50.00
ZSMC-SE-050	Smart Emulsifier	50ml	£100.00
ZSMC-SE-100	Smart Emulsifier	100ml	£200.00
ZSMC-SW-96	Spheroid Generation - 96 Well Plate	1	£106.00
ZSMC-SW-24-A	Spheroid Generation Insert	1 - for 24 Well Plate, 500 µm	£75.00
ZSMC-SW-24-B	Spheroid Generation Insert	1 - for 24 Well Plate, 1.3 mm	£75.00

ZSMC-MSF-125-DIS	Spinner Flask - Disposable	1 x 125mL	£113.00
ZSMC-MSF-500-DIS	Spinner Flask - Disposable	1 x 500mL	£128.00
ZSMC-MSF-125-GL	Spinner Flask - Glass	1 x 125mL	£261.00
ZSMC-MSF-500-GL	Spinner Flask - Glass	1 x 500mL	£339.00
ZSMC-SF-22	Syringe Filter	50 PCs, 45µm	£125.00
ZSMC-SF-45	Syringe Filter	50 PCs, 22µm	£125.00

2.2: Hydrogels

TCS Biosciences, in partnership with Smart MCs, supplies a versatile range of hydrogels for 3D cell culture, organoid and spheroid models, tissue engineering, bioprinting and biomaterials research. These systems enable controlled cell–matrix interactions and tunable microenvironments, supporting reproducible and physiologically relevant in vitro models.

Code	Description	Size	Price
ZSMC-ALG-300-02	AlgMA 300K Alginate Methacryloyl	0.2g	£150.00
ZSMC-ALGMA-300-2	AlgMA 300K Alginate Methacryloyl	2g	£1,200.00
ZSMC-ALGMA-50-05	AlgMA 50K Alginate Methacryloyl	0.5g	£150.00
ZSMC-ALGMA-50-5	AlgMA 50K Alginate Methacryloyl	5g	£1,200.00
ZSMC-GEL-30-1	GelMA Gelatin Methacryloyl 30 (low methacrylation formulation)	1g	£138.00
ZSMC-GEL-30-10	GelMA Gelatin Methacryloyl 30 (low methacrylation formulation)	10g	£1,100.00
ZSMC-GEL-60-10	GelMA Gelatin Methacryloyl 60 (medium methacrylation formulation)	10g	£1,100.00
ZSMC-GEL-60-1	GelMA Gelatin Methacryloyl 60 (medium methacrylation formulation)	1g	£138.00
ZSMC-GEL-90-1	GelMA Gelatin Methacryloyl 90 (high methacrylation formulation)	1g	£138.00
ZSMC-GEL-90-10	GelMA Gelatin Methacryloyl 90 (high methacrylation formulation)	10g	£1,100.00
ZSM-HAMA-150-05	HAMA 150K Hyaluronic Acid MC	0.5g	£250.00
ZSMC-HAMA-150K-5	HAMA 150K Hyaluronic Acid MC	5g	£2,000.00
ZSMC-HAMA-400-02	HAMA 400K Hyaluronic Acid MC	0.2g	£250.00
ZSMC-HAMA-400-2	HAMA 400K Hyaluronic Acid MC	2g	£2,000.00
ZSMC-PEG-1K-10	PEGDA 1000 Poly(ethylene glycol) diacrylate	10g	£251.00

ZSMC-PEG-1K-100	PEGDA 1000 Poly(ethylene glycol) diacrylate	100g	£2,005.00
ZSMC-PEG-400-10	PEGDA 400 Poly(ethylene glycol) diacrylate	10g	£150.00
ZSMC-PEG-400-100	PEGDA 400 Poly(ethylene glycol) diacrylate	100g	£1,200.00
ZSMC-PEG-600-10	PEGDA 600 Poly(ethylene glycol) diacrylate	10g	£200.00
ZSMC-PEG-600-100	PEGDA 600 Poly(ethylene glycol) diacrylate	100g	£1,603.00
ZSMC-PLMA-05	PLMA poly-L-lysine methacrylate 0.5g	0.5g	£288.00
ZSMC-PLMA-5	PLMA poly-L-lysine methacrylate 5g	5g	£2,301.00
ZSMC-SILKMA-1	SilkMA Silk Fibroin Methacryloyl	1g	£175.00
ZSMC-SILKMA-10	SilkMA Silk Fibroin Methacryloyl	10g	£1,400.00

2.3: Microcarriers

TCS Biosciences is an official distributor of Smart MCs microcarriers, offering advanced, customisable platforms for adherent cell culture. Featuring flexible materials with xeno-free, biodegradable and edible options, Smart MCs microcarriers support simple one-step harvesting, tuneable physical and chemical properties, and an affordable, scalable solution for large-scale bioprocessing.

Code	Description	Size	Price
ZSMC-MSK-AM-5.5K	Material Screening Kit - Animal Coating	Set - 5,500 cm^2 each of X1M, P1M and P2M-Animal Coating (16,500 cm^2 total)	£300.00
ZSMC-MSK-AM-500	Material Screening Kit - Animal Coating	Set - 500 cm^2 each of X1M, P1M and P2M-Animal Coating (1,500 cm^2 total)	£150.00
ZSMC-MSK-XF-5.5K	Material Screening Kit - Xeno-Free	Sets - 5,500 cm^2 each of X1M, P1M and P2M-Xeno-Free (5,500 cm^2 total)	£300.00
ZSMC-MSK-XF-500	Material Screening Kit - Xeno-Free	Set - 500 cm^2 each of X1M, P1M and P2M-Xeno-Free (1,500 cm^2 total)	£150.00
ZSMC-P1M-100K	P1 Microcarrier Medium	100,000 cm^2	£600.00
ZSMC-P1M-20K	P1 Microcarrier Medium	20,000 cm^2	£300.00
ZSMC-P1M-500K	P1 Microcarrier Medium	500,000 cm^2	£2,500.00
ZSMC-P1M-50K	P1 Microcarrier Medium	50,000 cm^2	£350.00
ZSMC-P1M-5K	P1 Microcarrier Medium	5,000 cm^2	£270.00
ZSMC-SK-P1-5.5K	P1 Stiffness Screening Kit	Set - 5,500 cm^2 each of Soft, Medium and Hard (16,500 cm^2 total)	£300.00

ZSMC-SK-P1-500	P1 Stiffness Screening Kit	Set - 500 cm^2 each of Soft, Medium and Hard (1,500 cm^2 total)	£150.00
ZSMC-P2M-AM-100K	P2 Microcarrier Medium (Animal coating)	100,000 cm^2	£600.00
ZSMC-P2M-AM-20K	P2 Microcarrier Medium (Animal Coating)	20,000 cm^2	£300.00
ZSMC-P2M-AM-50K	P2 Microcarrier Medium (Animal Coating)	50,000 cm^2	£350.00
ZSMC-P2M-AM-5K	P2 Microcarrier Medium (Animal Coating)	5,000 cm^2	£270.00
ZSMC-P2M-XF-100K	P2 Microcarrier Medium (Xeno-Free)	100000 cm^2	£1,170.00
ZSMC-P2M-XF-20K	P2 Microcarrier Medium (Xeno-Free)	20 000 cm^2	£585.00
ZSMC-P2M-XF-50K	P2 Microcarrier Medium (Xeno-Free)	50 000 cm^2	£690.00
ZSMC-P2M-XF-5K	P2 Microcarrier Medium (Xeno-Free)	5 000 cm^2	£525.00
ZSMC-SK-P2-A-5.5	P2 Stiffness Screening Kit (Animal Coating)	Set - 5,500 cm^2 each of Soft, Medium and Hard (16,500 cm^2 total)	£300.00
ZSMC-SK-P2-A-500	P2 Stiffness Screening Kit (Animal Coating)	Set - 500 cm^2 each of Soft, Medium and Hard (1,500 cm^2 total)	£150.00
ZSMC-SK-P2-X-5.5	P2 Stiffness Screening Kit (Xeno Free)	Set - 5,500 cm^2 each of Soft, Medium and Hard (16,500 cm^2 total)	£300.00
ZSMC-SK-P2-X-500	P2 Stiffness Screening Kit (Xeno Free)	Set - 500 cm^2 each of Soft, Medium and Hard (1,500 cm^2 total)	£150.00
ZSMC-Starter	Starter Programme	Programme	£4,500.00
ZSMC-X1M-100K	X1 Microcarrier Medium	100,000cm^2	£600.00
ZSMC-X1M-20K	X1 Microcarrier Medium	20,000 cm^2	£300.00
ZSMC-X1M-500K	X1 Microcarrier Medium	500,000cm^2	£2,500.00
ZSMC-X1M-50K	X1 Microcarrier Medium	50,000 cm^2	£350.00
ZSMC-X1M-5K	X1 Microcarrier Medium	5,000 cm^2	£270.00

ZSMC-SK-X1-5.5K	X1 Stiffness Screening Kit	Set - 5,500 cm^2 each of Soft, Medium and Hard (16,500 cm^2 total)	£300.00
ZSMC-SK-X1-500	X1 Stiffness Screening Kit	Set - 500 cm^2 each of Soft, Medium and Hard (1,500 cm^2 total)	£150.00

2.4: Microfluidics

TCS Biosciences, in partnership with Smart MCs, supplies advanced microfluidic tools designed for precise fluid control and complex in vitro modelling. These systems support applications including droplet generation, single-cell analysis, organ-on-chip platforms and high-throughput screening with reproducible performance.

Code	Description	Size	Price
ZSMC-SmEm-10	Smart Emulsifier Droplet Generation Oil (SE)	10ml	£65.65
ZSMC-SmEm-100	Smart Emulsifier Droplet Generation Oil (SE)	100ml	£262.65
ZSMC-SmEm-1000	Smart Emulsifier Droplet Generation Oil (SE)	1000ml	£656.60
ZSMC-SmEm-50	Smart Emulsifier Droplet Generation Oil (SE)	50ml	£131.35
ZSMC-SmEm-500	Smart Emulsifier Droplet Generation Oil (SE)	500ml	£459.60
ZSMC-SmEm-5000	Smart Emulsifier Droplet Generation Oil (SE)	5000ml	£1,969.80

2.5: Extracellular Matrix Proteins

MarraBio's proprietary engineered Cytocaf proteins provide an easy to use, ultra stable, scalable and xeno-free alternative to the extracellular matrix proteins and growth factors used in mammalian cell culture.

Code	Description	Size	Price
ZAK-MB001-1	Fibronectin Cytocaf	1 x 1ml	£100.00
ZAK-MB006-0.1	GelEnhance Cytocaf	0.1ml	£30.00
ZAK-MB005-1	LamininB4 Cytocaf	1ml	£100.00
ZAK-MB002-1	Vitronectin Cytocaf	1 x 1ml	£48.00

2.6: AntiClump-Cytocaf

Anticlump-Cytocaf is a recombinant protein polymer designed to prevent unwanted cell aggregation in suspension cultures. It forms a gentle, physical barrier that reduces cell–cell contact, minimising aggregation while maintaining a healthy, non-disruptive environment for cell growth.

Code	Description	Size	Price
ZAK-MB004-1	AntiClump-Cytocaf	1ml	POA

2.7: LowAdhere-Cytocaf

LowAdhere-Cytocaf is a recombinant protein polymer that forms a biologically inert, non-adhesive coating on plastic and glass surfaces. When applied to culture wells, LowAdhere-Cytocaf prevents adherent mammalian cells from attaching to the surface, instead encouraging cell–cell interactions that promote the formation of uniform 3D structures, including spheroids and organoids.

Code	Description	Size	Price
ZAK-MB003-1	LowAdhere-Cytocaf	25ml	£100.00

2.8: Animal Free Recombinant Proteins

TCS Biosciences Animal-Free Recombinant Proteins are designed to support your innovative scientific research. We are committed to providing you with high-quality products that deliver consistency, performance and reliability to meet the demands of today's cell culture research.

We have developed animal-free recombinant cytokines and growth factors, utilising 15 years of manufacturing expertise. They are designed to provide the scientific research markets products at competitive prices. Our animal-free recombinant proteins can be supplied to meet individual research demands, offering bespoke solutions and tailored services.

Code	Description	Size	Price
ZRP-ACTA-100UG	Human Activin A (Animal Free)	100ug	£450.00
ZRP-ACTA-10UG	Human Activin A (Animal Free)	10ug	£155.00
ZRP-ACTA-1MG	Human Activin A (Animal Free)	1mg	£2,750.00
ZRP-ACTA-2UG	Human Activin A (Animal Free)	2ug	£65.00
ZRP-ACTA-500UG	Human Activin A (Animal Free)	500ug	£1,800.00
ZRP-BDNF-100UG	Human BDNF (Animal Free)	100ug	£450.00
ZRP-BDNF-10UG	Human BDNF (Animal Free)	10ug	£155.00
ZRP-BDNF-1MG	Human BDNF (Animal Free)	1mg	£2,750.00
ZRP-BDNF-2UG	Human BDNF (Animal Free)	2ug	£65.00
ZRP-BDNF-500UG	Human BDNF (Animal Free)	500ug	£1,800.00
ZRP-NGF-100UG	Human beta-NGF (Animal Free)	100ug	£155.00
ZRP-NGF-1MG	Human beta-NGF (Animal Free)	1mg	£750.00
ZRP-NGF-25UG	Human beta-NGF (Animal Free)	25ug	£65.00
ZRP-NGF-500UG	Human beta-NGF (Animal Free)	500ug	£500.00
ZRP-BMP2-100UG	Human BMP-2 (Animal Free)	100ug	£450.00
ZRP-BMP2-10UG	Human BMP-2 (Animal Free)	10ug	£155.00
ZRP-BMP2-1MG	Human BMP-2 (Animal Free)	1mg	£2,750.00
ZRP-BMP2-2UG	Human BMP-2 (Animal Free)	2ug	£65.00
ZRP-BMP2-500UG	Human BMP-2 (Animal Free)	500ug	£1,800.00
ZRP-BMP4-100UG	Human BMP-4 (Animal Free)	100ug	£450.00
ZRP-BMP4-10UG	Human BMP-4 (Animal Free)	10ug	£155.00
ZRP-BMP4-1MG	Human BMP-4 (Animal Free)	1mg	£2,750.00
ZRP-BMP4-2UG	Human BMP-4 (Animal Free)	2ug	£65.00
ZRP-BMP4-500UG	Human BMP-4 (Animal Free)	500ug	£1,800.00
ZRP-EGF-100UG	Human EGF (Animal Free)	100ug	£55.00

ZRP-EGF-1MG	Human EGF (Animal Free)	1mg	£185.00
ZRP-EGF-500UG	Human EGF (Animal Free)	500ug	£135.00
ZRP-FGF10-100UG	Human FGF-10 (Animal Free)	100ug	£300.00
ZRP-FGF10-1MG	Human FGF-10 (Animal Free)	1mg	£1,450.00
ZRP-FGF10-25UG	Human FGF-10 (Animal Free)	25ug	£155.00
ZRP-FGF10-500UG	Human FGF-10 (Animal Free)	500ug	£850.00
ZRP-FGF10-5UG	Human FGF-10 (Animal Free)	5ug	£65.00
ZRP-FGF8B-100UG	Human FGF-8b (Animal Free)	100ug	£350.00
ZRP-FGF8B-1MG	Human FGF-8b (Animal Free)	1mg	£2,200.00
ZRP-FGF8B-25UG	Human FGF-8b (Animal Free)	25ug	£155.00
ZRP-FGF8B-500UG	Human FGF-8b (Animal Free)	500ug	£1,375.00
ZRP-FGF8B-5UG	Human FGF-8b (Animal Free)	5ug	£65.00
ZRP-FGFB154-100UG	Human FGF-basic (154 a.a.) (Animal Free)	100ug	£150.00
ZRP-FGFB154-10UG	Human FGF-basic (154 a.a.) (Animal Free)	10ug	£60.00
ZRP-FGFB154-1MG	Human FGF-basic (154 a.a.) (Animal Free)	1mg	£600.00
ZRP-FGFB154-500UG	Human FGF-basic (154 a.a.) (Animal Free)	500ug	£400.00
ZRP-FGFB154-50UG	Human FGF-basic (154 a.a.) (Animal Free)	50ug	£130.00
ZRP-FLT3-100UG	Human Flt-3 Ligand (Animal Free)	100ug	£550.00
ZRP-FLT3-10UG	Human Flt-3 Ligand (Animal Free)	10ug	£155.00
ZRP-FLT3-1MG	Human Flt-3 Ligand (Animal Free)	1mg	£3,350.00
ZRP-FLT3-2UG	Human Flt-3 Ligand (Animal Free)	2ug	£65.00
ZRP-FLT3-500UG	Human Flt-3 Ligand (Animal Free)	500ug	£2,050.00
ZRP-GCSF-100UG	Human G-CSF (Animal Free)	100ug	POA
ZRP-GCSF-10UG	Human G-CSF (Animal Free)	10ug	POA
ZRP-GCSF-1MG	Human G-CSF (Animal Free)	1mg	POA
ZRP-GCSF-2UG	Human G-CSF (Animal Free)	2ug	POA
ZRP-GCSF-500UG	Human G-CSF (Animal Free)	500ug	POA
ZRP-GDNF-100UG	Human GDNF (Animal Free)	100g	£450.00
ZRP-GDNF-10UG	Human GDNF (Animal Free)	10ug	£155.00
ZRP-GDNF-1MG	Human GDNF (Animal Free)	1mg	£2,750.00
ZRP-GDNF-2UG	Human GDNF (Animal Free)	2ug	£65.00
ZRP-GDNF-500UG	Human GDNF (Animal Free)	500ug	£1,800.00
ZRP-GMCSF-100UG	Human GM-CSF (Animal Free)	100ug	£450.00
ZRP-GMCSF-1MG	Human GM-CSF (Animal Free)	1mg	£2,500.00
ZRP-GMCSF-25UG	Human GM-CSF (Animal Free)	25ug	£155.00
ZRP-GMCSF-500UG	Human GM-CSF (Animal Free)	500ug	£1,550.00
ZRP-GMCSF-5UG	Human GM-CSF (Animal Free)	5ug	£65.00

ZRP-HEREGB-100UG	Human Heregulin beta-1 (Animal Free)	100ug	POA
ZRP-HEREGB-10UG	Human Heregulin beta-1 (Animal Free)	10ug	POA
ZRP-HEREGB-1MG	Human Heregulin beta-1 (Animal Free)	1mg	POA
ZRP-HEREGB-500UG	Human Heregulin beta-1 (Animal Free)	500ug	POA
ZRP-HEREGB-50UG	Human Heregulin beta-1 (Animal Free)	50ug	POA
ZRP-IFNG-100UG	Human IFN-G (Animal Free)	100ug	£155.00
ZRP-IFNG-1MG	Human IFN-G (Animal Free)	1mg	£750.00
ZRP-IFNG-25UG	Human IFN-G (Animal Free)	25ug	£65.00
ZRP-IFNG-500UG	Human IFN-G (Animal Free)	500ug	£500.00
ZRP-IGF1-100UG	Human IGF1 (Animal Free)	100ug	£55.00
ZRP-IGF1-1MG	Human IGF1 (Animal Free)	1mg	£185.00
ZRP-IGF1-500UG	Human IGF1 (Animal Free)	500ug	£135.00
ZRP-IL15-100UG	Human IL-15 (Animal Free)	100ug	POA
ZRP-IL15-10UG	Human IL-15 (Animal Free)	10ug	POA
ZRP-IL15-1MG	Human IL-15 (Animal Free)	1mg	POA
ZRP-IL15-2UG	Human IL-15 (Animal Free)	2ug	POA
ZRP-IL15-500UG	Human IL-15 (Animal Free)	500ug	POA
ZRP-IL2-100UG	Human IL-2 (Animal Free)	100 ug	£150.00
ZRP-IL2-10UG	Human IL-2 (Animal Free)	10ug	£65.00
ZRP-IL2-1MG	Human IL-2 (Animal Free)	1mg	£600.00
ZRP-IL2-500UG	Human IL-2 (Animal Free)	500ug	£400.00
ZRP-IL2-50UG	Human IL-2 (Animal Free)	50ug	£130.00
ZRP-IL3-100UG	Human IL-3 (Animal Free)	100ug	£450.00
ZRP-IL3-10UG	Human IL-3 (Animal Free)	10ug	£155.00
ZRP-IL3-1MG	Human IL-3 (Animal Free)	1mg	£2,500.00
ZRP-IL3-2UG	Human IL-3 (Animal Free)	2ug	£65.00
ZRP-IL3-500UG	Human IL-3 (Animal Free)	500ug	£1,450.00
ZRP-IL3-50UG	Human IL-3 (Animal Free)	50ug	£330.00
ZRP-IL4-100UG	Human IL-4 (Animal Free)	100ug	£450.00
ZRP-IL4-1MG	Human IL-4 (Animal Free)	1mg	£2,500.00
ZRP-IL4-25UG	Human IL-4 (Animal Free)	25ug	£155.00
ZRP-IL4-500UG	Human IL-4 (Animal Free)	500ug	£1,450.00
ZRP-IL4-5UG	Human IL-4 (Animal Free)	5ug	£65.00
ZRP-IL6-100UG	Human IL-6 (Animal Free)	100ug	£450.00
ZRP-IL6-1MG	Human IL-6 (Animal Free)	1mg	£2,500.00
ZRP-IL6-25UG	Human IL-6 (Animal Free)	25ug	£155.00
ZRP-IL6-500UG	Human IL-6 (Animal Free)	500ug	£1,450.00
ZRP-IL6-5UG	Human IL-6 (Animal Free)	5ug	£65.00

ZRP-IL7-100UG	Human IL-7 (Animal Free)	100ug	£450.00
ZRP-IL7-10UG	Human IL-7 (Animal Free)	10ug	£155.00
ZRP-IL7-1MG	Human IL-7 (Animal Free)	1mg	£2,750.00
ZRP-IL7-2UG	Human IL-7 (Animal Free)	2ug	£65.00
ZRP-IL7-500UG	Human IL-7 (Animal Free)	500ug	£1,800.00
ZRP-IL7-50UG	Human IL-7 (Animal Free)	50ug	£350.00
ZRP-MCSF-100UG	Human M-CSF (Animal Free)	100ug	£450.00
ZRP-MCSF-10UG	Human M-CSF (Animal Free)	10ug	£155.00
ZRP-MCSF-1MG	Human M-CSF (Animal Free)	1mg	£2,750.00
ZRP-MCSF-2UG	Human M-CSF (Animal Free)	2ug	£65.00
ZRP-MCSF-500UG	Human M-CSF (Animal Free)	500ug	£1,800.00
ZRP-NT3-100UG	Human NT3 (Animal Free)	100ug	POA
ZRP-NT3-10UG	Human NT3 (Animal Free)	10ug	POA
ZRP-NT3-1MG	Human NT3 (Animal Free)	1mg	POA
ZRP-NT3-2UG	Human NT3 (Animal Free)	2ug	POA
ZRP-NT3-500UG	Human NT3 (Animal Free)	500ug	POA
ZRP-OSM-100UG	Human Oncostatin M (Animal Free)	100ug	POA
ZRP-OSM-10UG	Human Oncostatin M (Animal Free)	10ug	POA
ZRP-OSM-1MG	Human Oncostatin M (Animal Free)	1mg	POA
ZRP-OSM-2UG	Human Oncostatin M (Animal Free)	2ug	POA
ZRP-OSM-500UG	Human Oncostatin M (Animal Free)	500ug	POA
ZRP-PDGFBB-100UG	Human PDGF-BB (Animal Free)	100ug	£450.00
ZRP-PDGFBB-10UG	Human PDGF-BB (Animal Free)	10ug	£155.00
ZRP-PDGFBB-1MG	Human PDGF-BB (Animal Free)	1mg	£2,750.00
ZRP-PDGFBB-2UG	Human PDGF-BB (Animal Free)	2ug	£65.00
ZRP-PDGFBB-500UG	Human PDGF-BB (Animal Free)	500ug	£1,800.00
ZRP-HSCF-100UG	Human SCF	100ug	£325.00
ZRP-HSCF-10UG	Human SCF	10ug	£155.00
ZRP-HSCF-1MG	Human SCF	1mg	£2,250.00
ZRP-HSCF-2UG	Human SCF	2ug	£65.00
ZRP-HSCF-500UG	Human SCF	500ug	£1,500.00
ZRP-TGFB3-100UG	Human TGF-Beta 3 (Animal Free)	100ug	£550.00
ZRP-TGFB3-10UG	Human TGF-Beta 3 (Animal Free)	10ug	£155.00
ZRP-TGFB3-1MG	Human TGF-Beta 3 (Animal Free)	1mg	£3,350.00
ZRP-TGFB3-2UG	Human TGF-Beta 3 (Animal Free)	2ug	£65.00
ZRP-TGFB3-500UG	Human TGF-Beta 3 (Animal Free)	500ug	£2,050.00
ZRP-TNFA-100UG	Human TNF-alpha (Animal Free)	100ug	£250.00
ZRP-TNFA-10UG	Human TNF-alpha (Animal Free)	10ug	£65.00
ZRP-TNFA-1MG	Human TNF-alpha (Animal Free)	1mg	£1,300.00
ZRP-TNFA-500UG	Human TNF-alpha (Animal Free)	500ug	£750.00
ZRP-TNFA-50UG	Human TNF-alpha (Animal Free)	50ug	£155.00
ZRP-TPO-100UG	Human TPO (Animal Free)	100ug	£550.00

ZRP-TPO-10UG	Human TPO (Animal Free)	10ug	£155.00
ZRP-TPO-1MG	Human TPO (Animal Free)	1mg	£3,350.00
ZRP-TPO-2UG	Human TPO (Animal Free)	2ug	£65.00
ZRP-TPO-500UG	Human TPO (Animal Free)	500ug	£2,050.00
ZRP-VEGF-100UG	Human VEGF 165 (Animal Free)	100ug	£450.00
ZRP-VEGF-10UG	Human VEGF 165 (Animal Free)	10ug	£155.00
ZRP-VEGF-1MG	Human VEGF 165 (Animal Free)	1mg	£2,750.00
ZRP-VEGF-2UG	Human VEGF 165 (Animal Free)	2ug	£65.00
ZRP-VEGF-500UG	Human VEGF 165 (Animal Free)	500ug	£1,800.00
ZRP-VEGF-50UG	Human VEGF 165 (Animal Free)	50ug	£350.00
ZRP-MNOGN-100UG	Murine NOGGIN	100ug	£450.00
ZRP-MNOGN-1MG	Murine NOGGIN	1mg	£2,750.00
ZRP-MNOGN-25UG	Murine NOGGIN	25ug	£155.00
ZRP-MNOGN-500UG	Murine NOGGIN	500ug	£1,800.00
ZRP-MNOGN-5UG	Murine NOGGIN	5ug	£65.00

3. Clinical Solutions

We offer a comprehensive range of clinical solutions designed to support laboratories in diagnostics, infection control, histology, and microbiological quality assurance.

3.1: Wet Dyes and Stains

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
HS100-1L	Acridine Orange in Acetate Buffer	1L	£27.50
HS100-250	Acridine Orange in Acetate Buffer	250ml	POA
HS116-500	Alcian Blue 8GX (1% w/v in 3% acetic acid)	500ml	£49.30
HS200-500	Amyloid Stain (Puchtler) Congo Red Stock Solution	500ml	£46.40
HS145-500	Auramine Decolouriser (Lempert)	500ml	POA
HS160-1L	Carbol Fuchsin (Gram)	1L	£9.60
HS160-500	Carbol Fuchsin (Gram)	500ml	£7.40
HS180-500	Carbol Fuchsin (Kinyoun)	500ml	£16.10
HS170-1L	Carbol Fuchsin (Ziehl-Neelsen)	1L	£31.50
HS170-500	Carbol Fuchsin (Ziehl-Neelsen)	500ml	£22.90
HS230-1L	Crystal Violet (Gram)	1L	£18.60
HS230-500	Crystal Violet (Gram)	500ml	£5.25
HS232-1L	Crystal Violet Oxalate (Gram)	1L	£16.90
HS235-500	Elastin Stain (Miller)	500ml	£37.95

HS260-500	Eosin Y (1% alcoholic)	500ml	£22.60
HS250-1L	Eosin Y (1% aqueous)	1L	£13.60
HS265-500	Feulgen Stain (Schiff)	500ml	£13.95
HS270-100	Field's Stain (solution A)	100ml	£3.45
HS270-1L	Field's Stain (Solution A)	1L	£20.20
HS270-500	Field's Stain (Solution A)	500ml	£12.80
HS275-100	Field's Stain (Solution B)	100ml	£3.20
HS275-1L	Field's Stain (Solution B)	1L	£20.20
HS275-500	Field's Stain (solution B)	500ml	£12.15
HS295-500	Giemsa Stain (modified)	500ml	£16.55
HS300-1L	Giemsa Stain Rapid	1L	£42.55
HS300-250	Giemsa Stain Rapid	250ml	£10.70
HS310-500	Gram's Decolouriser	500ml	£12.55
HS315-1L	Haemalum Mayer	1L	£19.55
HS330-500	Haematoxylin Ehrlich	500ml	£17.70
HS345-1L	Haematoxylin Gill 3	1L	£20.30
HS356-1L	Haematoxylin Harris (with acetic acid)	1 Litre	£21.05
HS351-1L	Haematoxylin Harris Modified (no acetic acid)	1L	£23.10
HS400-500	Leishman Stain	500ml	£17.80
HS425-1L	Lugol's Iodine	1L	£31.75
HS425-500	Lugol's Iodine	500ml	£24.35
HS435-500	Malachite Green (ZN)	500ml	£42.50
HS445-250	May Grunwald Stain (modified)	250ml	£2.90
HS445-500	May Grunwald Stain (modified)	500ml	£11.95
HS515-500	Methylene Blue Polychrome (Loeffler)	500ml	£20.25
HS555-250	Neutral Red (1% aqueous)	250ml	£7.60
HS612-500	Orcein Solution (Shikata)	500ml	£124.00
HS630-500	Papanicolaou Stain - EA50	500ml	£19.85
HS650-250	Perl Iron Stain 1 & 2 (twin pack)	250ml	£28.30
HS660-500	Picric Acid (sat. alcoholic)	500ml	£46.40
HS655-500	Picric Acid (sat. aqueous)	500ml	£19.65
HS137-500	Potassium Permanganate for Fluorescent TB Stain (0.1% w/v aqueous)	500ml	£14.90
HS705A-500	Rapid Romanowsky Stain Solution A	500ml	£16.35
HS705B-500	Rapid Romanowsky Stain Solution B	500ml	£16.35
HS705C-500	Rapid Romanowsky Stain Solution C	500ml	£16.35
HS720-1L	Safranin (1% aqueous)	1L	£21.00
HS720-500	Safranin (1% aqueous)	500ml	POA

HS725-200	Safranin (Gram) conc. 200ml makes 1 Litre	200ml	£14.65
HS780-500	Van Gieson Stain	500ml	£23.90
HS787-500	ZN Decolouriser	500ml	£30.25

3.2: Dry Dyes and Stains

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
HD1040-25	Alcian Blue 8GX	25g	£126.90
HD1140-25	Azur I	25g	POA

3.3: Stain Concentrates

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
HS220-100	Crystal Violet 10 x conc.	each, to make 1l stain	£5.40
HS220-1L	Crystal Violet 10 x conc.	1L	£42.10
HS565-1L	Neutral Red (Jensen) 10 x conc.	1L	£53.35
HS762-1L	Thiazine Red 10 x conc.	1L	POA

3.4: Stain Kits

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

Code	Description	Size	Price
HS202	Amyloid Stain Kit - Puchtler	Kit	£34.50
HS805-MG	Cold ZN - Kinyoun Stain Kit counterstain: Malachite Green	3x250ml	£71.15
HS805-AMB	Cold ZN - Kinyoun Stain Kit: Methylene Blue (alcoholic)	3x250ml	£59.50
HS237	Elastin Stain Kit - Miller/Van Gieson	4x250ml	£90.15
HS800-NR	Gram's Stain Kit (Crystal Violet Oxalate) counterstain: Neutral Red	Kit	£54.90
HS800-S	Gram's Stain Kit (Crystal Violet Oxalate) counterstain: Safranin	Kit	£58.65
HS802-F	Gram's Stain Kit (Crystal Violet) counterstain: Carbol Fuchsin	Kit	£60.50

HS802-NR	Gram's Stain Kit (Crystal Violet) counterstain: Neutral Red	Kit	£54.30
HS802-S	Gram's Stain Kit (Crystal Violet) counterstain: Safranin	Kit	£58.65
HS652	Iron Stain Kit - Perl	3x100ml	£15.20
HS443	MSB Stain Kit- Fibrin	5x100ml	£49.95
HS462	Periodic Acid Schiff (PAS) Stain Kit	3x100ml	£17.45
HS705	Rapid Romanowsky Stain Kit	3x500ml	£45.25
HS303	Reticulin Stain kit	6x100ml	£113.20
HS820	TB Kit Fluorescent Auramine-Rhodamine-Phenol	3x250ml	£55.30
HS773-AB	Trichrome Stain (Masson) Kit Aniline Blue	4x250ml	£181.75
HS773-LG	Trichrome Stain (Masson) Kit Light Green	4x250ml	£158.80
HS810-MB	Ziehl-Neelsen Stain Kit counterstain: Methylene Blue	3x250ml	£58.65
HS810-AMB	Ziehl-Neelsen Stain Kit counterstain: Methylene Blue (alcoholic)	3x250ml	POA

3.5: Gonorrhoea and Streptococcus Detection

Gonochek 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	Gonochek® II	25 Tests	£195.85
Z813-106-50	Oxidase Swabzymes	50 Swabs	POA
Z813-050-00	Strep-A-Check Kit	100 Tests	£187.20
Z813-051-00	Strep-A-Check Kit (Strips)	100 Strips	£135.70

3.6: Buffers and Solutions

TCS Biosciences supplies a reliable range of laboratory buffers and solutions, manufactured to defined specifications to support routine microbiological and analytical workflows. 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
HDS10-10	Sorensen Buffer Concentrate pH 6.8	25ml x 10 vials	£30.60

3.7: Embedding and Mounting Media

Our embedding and mounting media are designed to ensure optimal preservation, clarity, and long-term stability of stained tissue samples. Suitable for routine histology and specialised applications, they support consistent, high-quality slide preparation.

Code	Description	Size	Price
HC8535-100	Apathys Mounting Medium	100ml	£23.20
HC8610-500	DPX Mounting Medium	500ml	£37.85
HC8705-1	Gold Chloride (yellow) Sodium Salt	1g	£207.75
HC8715-100	Immersion Oil	100ml	£13.85
HC8725-500	Methanol (Methyl Alcohol)	500ml	£7.65
HC8728-10	Michel Medium	10ml	£4.60
HC8728-1L	Michel Medium	1L	£108.10
HC6405-100	Periodic Acid (1% aqueous)	100ml	POA
HC6405-500	Periodic Acid (1% aqueous)	500ml	£19.45
HC8805-100	Silver Nitrate	100g	£223.15

3.8: Kits & Controls

Our diagnostic kits provide reliable tools for the detection, identification, and quality control of microorganisms in clinical, food, water, and industrial testing.

Code	Description	Size	Price
Z1KR2-50T	*Crypto/Giardia* Cel	50 Tests	POA
Z1KR2-PCS	*Crypto/Giardia* Cel	Single Slide	POA
Z1KR1-50T	*Crypto* Cel	50 Tests	POA
Z1KR1-PCS	*Crypto* Cel	Single Slide	POA
Z1KG1-50T	*Giardia* Cel	50 Tests	POA
Z1KG1-PCS	*Giardia* Cel	Single Slide	POA
Z1KG2	*Giardia* Celisa	96 Test	POA
Z1KC1-50T	Chlamydia Cel	50 Tests	POA
Z1KC1-PCS	Chlamydia Cel	Single Slide	POA
Z1KC2-50T	Chlamydia Cel LPS	50 Tests	POA
Z1KC2-PCS	Chlamydia Cel LPS	Single Slide	POA
Z1KC3-50T	Chlamydia Cel Pn	50 Tests	POA
Z1KC3-PCS	Chlamydia Cel Pn	Single Slide	POA
Z1KE1	Entamoeba histolytica Celisa (Path)	96 Test	POA
Z1KM2	Malaria Ag Celisa	192 Test	POA
Z1KM2BP	Malaria Ag Celisa Bulk Pack	960 Test	POA
Z1KMC3	Pan Malaria Antibody Celisa	192 Test	POA
Z1KP2-50T	Pneumo Cel Indirect	50 Tests	POA
Z1KT2	T. cruzi IgG Celisa	96 Test	POA
Z1KT3	Toxocara IgG Celisa	192 Test	POA

4. Food, Beverage & Industrial Microbiology

We support food, beverage and industrial microbiology with a robust range of quality control organisms, detection systems and ready-to-use test formats. The portfolio includes Selectrol® qualitative controls, Accu-Bac® quantitative organisms, Bactiscan™ biofilm and bacterial detection systems, Compact Dry™ chromogenic media plates, and Bacticount™ dipslides, enabling rapid, reliable contamination detection and routine hygiene monitoring across production environments.

4.1: Compact Dry™ Chromogenic Media Plates

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-M530-0CF-T125	Coliform Isolation Transwab	125	POA
Z4-54061-0AQ-0040	Compact Dry AQ	40	POA
Z4-54061-0AQ-0240	Compact Dry AQ	240	POA
Z4-54061-0AQ-1400	Compact Dry AQ	1400	POA
Z4-54053-0CF-0040	Compact Dry CF	40	POA
Z4-54053-0CF-0240	Compact Dry CF	240	POA
Z4-54053-0CF-1400	Compact Dry CF	1400	POA
Z4-54065-CFL-0040	Compact Dry CF-L	40	POA
Z4-54065-CFL-0240	Compact Dry CF-L	240	POA
Z4-54070-CFR-0040	Compact Dry CFR	40	POA
Z4-54070-CFR-0240	Compact Dry CFR	240	POA
Z4-54070-CFR-1400	Compact Dry CFR	1400	POA
Z4-54052-0EC-0040	Compact Dry EC	40	POA
Z4-54052-0EC-0240	Compact Dry EC	240	POA
Z4-54052-0EC-1400	Compact Dry EC	1400	POA
Z4-05591-EBP-080	Compact Dry EC Blue 100P	80	POA
Z4-06514-EBE-001	Compact Dry EC BLUE COMPARATOR	1	POA
Z4-06517-EBQ-018	Compact Dry EC BLUEQUANT	18	POA
Z4-54064-ECO-0040	Compact Dry ECO	40	POA
Z4-54064-ECO-0240	Compact Dry ECO	240	POA
Z4-54064-ECO-1400	Compact Dry ECO	1400	POA
Z4-54055-ETB-0040	Compact Dry ETB	40	POA
Z4-54055-ETB-0240	Compact Dry ETB	240	POA
Z4-54055-ETB-1400	Compact Dry ETB	1400	POA

Z4-54056-ETC-0040	Compact Dry ETC	40	POA
Z4-54056-ETC-0240	Compact Dry ETC	240	POA
Z4-54056-ETC-1400	Compact Dry ETC	1400	POA
Z4-54067-0LM-0040	Compact Dry LM	40	POA
Z4-54067-0LM-0240	Compact Dry LM	240	POA
Z4-54067-0LM-1400	Compact Dry LM	1400	POA
Z4-54060-0LS-0040	Compact Dry LS	40	POA
Z4-54060-0LS-0240	Compact Dry LS	240	POA
Z4-54060-0LS-1400	Compact Dry LS	1400	POA
Z4-54062-0PA-0040	Compact Dry PA	40	POA
Z4-54062-0PA-0240	Compact Dry PA	240	POA
Z4-54062-0PA-1400	Compact Dry PA	1400	POA
Z4-54058-0SL-0040	Compact Dry SL	40	POA
Z4-54058-0SL-0240	Compact Dry SL	240	POA
Z4-54058-0SL-1400	Compact Dry SL	1400	POA
Z4-54051-0TC-0040	Compact Dry TC	40	POA
Z4-54051-0TC-0240	Compact Dry TC	240	POA
Z4-54051-0TC-1400	Compact Dry TC	1400	POA
Z4-54069-TCR-0040	Compact Dry TCR	40	POA
Z4-54069-TCR-0240	Compact Dry TCR	240	POA
Z4-54069-TCR-1400	Compact Dry TCR	1400	POA
Z4-06749-0VP-0040	Compact Dry VP	40	POA
Z4-06749-0VP-0240	Compact Dry VP	240	POA
Z4-54057-XSA-0040	Compact Dry X-SA	40	POA
Z4-54057-XSA-0240	Compact Dry X-SA	240	POA
Z4-54057-XSA-1400	Compact Dry X-SA	1400	POA
Z4-54068-0BC-0040	Compact Dry XBC (BC)	40	POA
Z4-54068-0BC-0240	Compact Dry XBC (BC)	240	POA
Z4-54068-0BC-1400	Compact Dry XBC (BC)	1400	POA
Z4-54054-0YM-0040	Compact Dry YM	40	POA
Z4-54054-0YM-0240	Compact Dry YM	240	POA
Z4-54054-0YM-1400	Compact Dry YM	1400	POA
Z4-54063-YMR-0040	Compact Dry YMR	40	POA
Z4-54063-YMR-0240	Compact Dry YMR	240	POA
Z4-54063-YMR-1400	Compact Dry YMR	1400	POA
Z4-M570-0LS-T125	Listeria Isolation Transwabs	125	POA
Z4-M572-0SL-T125	Salmonella Transwab	125	POA
Z4-450004-BPW-0500	SWAB Buffer Peptone Water	500	POA
Z4-450001-NRS-0500	SWAB Neutralising Rinse Solution	500	POA
Z4-450002-PBS-0500	SWAB Phosphate Buffered Saline	500	POA

4.2: 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	APHA Plate Count Agar	10 Slides	£14.99
Z3BV10	Baird Park Medium / VRBG	10 Slides	£14.99
Z3BRB2	Double Rose Bengal Agar for Yeasts and Fungi Only	10 Slides	£14.99
Z3E10	Enterobacteriaceae for Bile Tolerant Organisms	10 Slides	£14.99
Z3-CULT	Incubator	Each	£527.05
Z3SC2	Nutrient Agar / MacConkey No.3	10 Slides	£14.99
Z3SCN10	Nutrient Agar / MacConkey No.3 with Neutralisers	10 Slides	£14.99
Z3SRB10	Nutrient Agar / Pseudomonas CFC Agar	10 Slides	£24.99
Z3BT2	Nutrient Agar with TTC	10 Slides	£14.99
Z3BTM2	Nutrient Agar with TTC / Malt Extract	10 Slides	£14.99
Z3RBS10	Nutrient Agar with TTC / Rose Bengal Chloramphenicol Agar	10 Slides	£14.99
Z3TV10	Plate Count / VRBG Agar with Neutralisers	10 Slides	£14.99
Z3PO10	Plate Count Agar / OGYE Agar	10 Slides	£14.99
Z3TP10	Plate Count Agar with Neutralisers	10 Slides	£14.99
Z3TT2	Standard Urine Dipslide with CLED / MacConkey Agar	10 Slides	£14.99
Z3YF10	Yeast / Fungi Slide	10 Slides	£14.99

4.3: Bacteria and Biofilm Detection Systems

Bactiscan™ & BactiscanPRO™ - User-friendly handheld bacteria and biofilm detection systems that utilise proprietary wave-alternating UV light technology to locate surface contaminationd.

Bactiscope™ - A surface bacteria and biofilm detection system using EIT Internationals wave-alternating UV light technology, designed to inspect awkward to access areas and inside pipework.

Code	Description	Size	Price
Z-Bactiscan-1	Bactiscan	1 unit	POA

Z-BactiscanPlus-1	BactiscanPlus	1 unit	POA
Z-Bactiscanpro-1	BactiscanPRO	1 unit	POA
Z-Bactiscope-1	Bactiscope	1 unit	POA

5. Human Biospecimens

Our biospecimen range supports research, diagnostics, biomanufacturing, and cell and gene therapy with high-quality, reliable materials.

5.1: Standard HPL Products

Human Platelet Lysate Products (Standard - heparin needs to be added before use.)

Code	Description	Size	Price
Z11-PE10621	ELAREM Perform - HPL, GMP Grade, heparin required	50ml	POA
Z11-PE10821	ELAREM Perform - HPL, GMP Grade, heparin required	100ml	POA
Z11-PE11021	ELAREM Perform - HPL, GMP Grade, heparin required	500ml	POA
Z11-PE10611	ELAREM Perform - HPL, heparin required	25ml	POA
Z11-PE10811	ELAREM Perform - HPL, heparin required	100ml	POA
Z11-PE11011	ELAREM Perform - HPL, heparin required	500ml	POA
Z11-PE20822	ELAREM Perform-FD - Fibrinogen-depleted HPL, GMP Grade, no heparin required	100ml	POA
Z11-PE21022	ELAREM Perform-FD - Fibrinogen-depleted HPL, GMP Grade, no heparin required	500ml	POA
Z11-PE20612	ELAREM Perform-FD - Fibrinogen-depleted HPL, no heparin required	50ml	POA
Z11-PE20812	ELAREM Perform-FD - Fibrinogen-depleted HPL, no heparin required	100ml	POA
Z11-PE21012	ELAREM Perform-FD - Fibrinogen-depleted HPL, no heparin required	500ml	POA

5.2: Fibrinogen-Depleted HPL Products

Human Platelet Lysate Products (Fibrinogen-Depleted - no heparin supplementation required but residues of heparin may remain. Available as both Research and GMP Grade material.)

Code	Description	Size	Price
Z11-PE20622	ELAREM Perform-FD - Fibrinogen-depleted human Platelet Lysate, GMP Grade, no heparin required	50ml	POA
Z11-PE30611	ELAREM Perform-FD+ -Fibrinogen-depeleted Human Platelet Lysate, no heparin required	50ml	POA
Z11-PE30811	ELAREM Perform-FD+ -Fibrinogen-depeleted Human Platelet Lysate, no heparin required	100ml	POA
Z11-UL41022	ELAREM Ultimate-FDi - Human Platelet Lysate, viral inactivated,	500ml	POA

	fibrinogen-depleted, GMP Grade, no heparin required		

5.3: Fibrinogen-Depleted and Gamma-Irradiated HPL Products

Human Platelet Lysate Products (Fibrinogen-Depleted and Gamma-Irradiated - a completely xeno-free, fibrin-depleted HPL. No heparin supplementation required. Available as both Research and GMP Grade material.)

Code	Description	Size	Price
Z11-UL40622	ELAREM Ultimate-FDi - Human Platelet Lysate, viral inactivated, fibrinogen-depleted, GMP Grade, no heparin required	50ml	POA
Z11-UL40822	ELAREM Ultimate-FDi - Human Platelet Lysate, viral inactivated, fibrinogen-depleted, GMP Grade, no heparin required	100ml	POA

5.4: Body Fluids

We offer a wide range of biological specimens from the human body.

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

5.5: Human Serum

TCS Biosciences Ltd is one of the largest suppliers of Human Serum and Plasma in the United Kingdom and Europe.

We usually carry stocks ready for immediate despatch and supply many well-known diagnostic reagent manufacturers with human plasma and serum. We are able to offer quantities of material either raw or filtered. Each donor unit has been tested for the normal panel of pathogens. A Certificate of Testing is issued with each order.

Code	Description	Size	Price
CR100-IDU	Human Serum - IDU Non-Sterile, Individual Donor Unit, "off the clot"	1L (PPL)	POA
CS300-AB-100	Human Serum Group AB Sterile Filtered 0.2µm, "off the clot"	100ml	POA
CR100-1L	Human Serum Mixed Pool Non-Sterile, "off the clot"	1L	POA
CR100-500	Human Serum Mixed Pool Non-Sterile, "off the clot"	500ml	POA
CR100-PPL	Human Serum Mixed Pool Non-Sterile, "off the clot"	1L (PPL)	POA
CS100-100	Human Serum Mixed Pool Sterile Filtered 0.2µm, "off the clot"	100ml	POA

CS100-500	Human Serum Mixed Pool Sterile Filtered 0.2µm, "off the clot"	500ml	POA
CS200-F-100	Human Serum Pool Female Sterile Filtered 0.2µm, "off the clot"	100ml	POA

5.6: Human Serum and Plasma Disease State

Human Serum and Plasma (Disease State Profiles)

Containing specific antibodies or analytes.

Modified biochemical parameters, such as Steroid stripped, T3 stripped, T4 stripped.

Additional parameters are also available.

Samples can be provided for serum and plasma products. A batch reservation service is available.

5.7: Placentas

We offer a wide range of biological specimens from the human body.

Code	Description	Size	Price
Z12-100-11	Placentas- Fresh		POA
Z12-100-12	Placentas- Frozen		POA
Z12-100-13	Placentas- Pre cut		POA

5.8: Human Biomarkers

We offer a wide range of biological specimens from the human body.

Code	Description	Size	Price
Z12-100-15	Amniotic Fluid		POA
Z12-500-50	Umbilical Cord Plasma		POA
Z12-400-40	Umbilical Cord Serum		POA
Z12-100-14	Umbilical Cords		POA

5.9: Human Plasma

TCS Biosciences Ltd is one of the largest suppliers of Human Serum and Plasma in the United Kingdom and Europe.

We usually carry stocks ready for immediate despatch and supply many well-known diagnostic reagent manufacturers with human plasma and serum. We are able to offer quantities of material either raw or filtered. Each donor unit has been tested for the normal panel of pathogens. A Certificate of Testing is issued with each order.

Code	Description	Size	Price
PR100-IDU	Human Plasma Citrated Non Sterile Per L Non-Sterile, Individual Donor Unit, Citrated	1L (PPL)	POA

PR100-LH-IDU	Human Plasma IDU in Li Heparin Per L Non-Sterile, Individual Donor Unit	1L (PPL)	POA
PR100-K2-IDU	Human Plasma in K2 EDTA IDU Per L Non-Sterile, Individual Donor Unit	1L (PPL)	POA
PR100-K2-100	Human Plasma in K2 EDTA Non-Sterile	100ml	POA
PR100-K2-500	Human Plasma in K2 EDTA Non-Sterile	500mL	POA
PR100-K2-PPL	Human Plasma in K2 EDTA Non-Sterile	1L (PPL)	POA
PR100-K3-IDU	Human Plasma in K3 EDTA IDU Per L Non-Sterile, Individual Donor Unit	1L (PPL)	POA
PR100-K3-100	Human Plasma in K3 EDTA Non-Sterile	100ml	POA
PS100-K3-100	Human Plasma Mixed Pool in K3 EDTA Sterile Filtered 0.2µm	100ml	POA
PS100-K3-500	Human Plasma Mixed Pool in K3 EDTA Sterile Filtered 0.2µm	500ml	POA
PR100-1L	Human Plasma Mixed Pool Non-Sterile, Citrated	1L	POA
PR100-500	Human Plasma Mixed Pool Non-Sterile, Citrated	500ml	POA
PR100-PPL	Human Plasma Mixed Pool Non-Sterile, Citrated	1L (PPL)	POA
PS100-500	Human Plasma Mixed Pool Sterile Filtered 0.2µm, Citrated	500ml	POA
PR200-F-100	Human Plasma Sexed Female Non-Sterile, Citrated	100ml	POA
PS200-F-100	Human Plasma Sexed Female Pool Sterile Filtered 0.2µm, Citrated	100ml	POA
PR100-K3-500	Human Plasma with K3 EDTA Non-Sterile	500ml	POA
PR100-LH-100	Human Plasma with Li Heparin Non-Sterile	100ml	POA

6. QC Organisms & Controls

TCS Biosciences provides a trusted range of quality control organisms and controls, including Selectrol® qualitative strains and Accu-Bac® quantitative organisms. These products deliver traceable, reproducible performance to support routine quality control and method validation in microbiology laboratories.

6.1: Selectrol® Qualitative Micro-organisms

Selectrol® is a fully traceable, cost-effective range of first-generation micro-organisms with predictable biochemical reactions. It is designed to support reliable quality control and testing across a wide range of microbiological applications.

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.

NCTC® and NCPF® are trademarks of UK Health Security Agency.
ATCC® strains are listed for reference only.
ATCC® is a registered trademark of the American Type Culture Collection.

Code	Description	Size	WDCM	Price
MM94-10	Selectrol® *Aspergillus brasiliensis* NCPF® 2275 / ATCC® 16404	10 discs	00053	£62.65
MM86-10	Selectrol® *Bacillus cereus* NCTC® 7464 / ATCC® 10876	10 discs		£40.40
MM29-10	Selectrol® *Bacillus subtilis subsp spizizenii* NCTC® 10400 / ATCC® 6633	10 discs	00003	£40.40
MM29-25	Selectrol® *Bacillus subtilis subsp spizizenii* NCTC® 10400 / ATCC® 6633	25 discs	00003	£62.65
MM44-10	Selectrol® *Bacteroides fragilis* NCTC® 9343 / ATCC® 25285	10 discs		£62.65
MM82-10	Selectrol® *Campylobacter jejuni* NCTC® 11322 / ATCC® 29428	10 discs	00156	£62.65
MM42-10	Selectrol® *Candida albicans* NCPF® 3179 / ATCC® 10231	10 discs	00054	£40.40
MM42-25	Selectrol® *Candida albicans* NCPF® 3179 / ATCC® 10231	25 discs	00054	£62.65
MM28-10	Selectrol® *Candida albicans* NCPF® 3255 / ATCC® 2091	10 discs	00055	£40.40
MM28-25	Selectrol® *Candida albicans* NCPF® 3255 / ATCC® 2091	25 discs	00055	£62.65
MM39-10	Selectrol® *Candida parapsilosis* NCPF® 3104	10 discs		£40.40

MM79-10	Selectrol® *Candida tropicalis* NCPF® 3111	10 discs		£40.40
MM49-10	Selectrol® *Candidozyma auris* NCPF® 8977 (formerly *Candida auris*)	10 discs		£62.65
MM27-10	Selectrol® *Citrobacter freundii* NCTC® 9750 / ATCC® 8090	10 discs		£40.40
MM45-10	Selectrol® *Clostridium perfringens* NCTC® 8237 / ATCC® 13124	10 discs	00007	£62.65
MM01-10	Selectrol® *Enterobacter cloacae* NCTC® 13380 / ATCC® 23355	10 discs	00082	£40.40
MM18-10	Selectrol® *Enterococcus faecalis* NCTC® 12697 / ATCC® 29212	10 discs	00087	£40.40
MM18-25	Selectrol® *Enterococcus faecalis* NCTC® 12697 / ATCC® 29212	25 discs	00087	£62.65
MM52-10	Selectrol® *Enterococcus faecalis* NCTC® 13379 / ATCC® 51299	10 discs	00085	£40.40
MM17-25	Selectrol® *Enterococcus faecalis* NCTC® 775 / ATCC® 19433	25 discs	00009	£62.65
MM35-10	Selectrol® *Enterococcus hirae* NCTC® 13383 /ATCC® 10541	10 discs	00011	£40.40
MM33-10	Selectrol® *Escherichia coli* NCTC® 10418 / ATCC® 10536	10 discs		£40.40
MM33-25	Selectrol® *Escherichia coli* NCTC® 10418 / ATCC® 10536	25 discs		£62.65
MM63-10	Selectrol® *Escherichia coli* NCTC® 11560	10 discs		£40.40
MM24-10	Selectrol® *Escherichia coli* NCTC® 11954 / ATCC® 35218	10 discs		£40.40
MM24-25	Selectrol® *Escherichia coli* NCTC® 11954 / ATCC® 35218	25 discs		£62.65
MM02-25	Selectrol® *Escherichia coli* NCTC® 12241 / ATCC® 25922	25 discs	00013	£62.65
MM38-10	Selectrol® *Escherichia coli* NCTC® 12923 / ATCC® 8739	10 discs	00012	£40.40
MM38-25	Selectrol® *Escherichia coli* NCTC® 12923 / ATCC® 8739	25 discs	00012	£62.65
MM75-10	Selectrol® *Escherichia coli* NCTC® 9001 / ATCC® 11775	10 discs	00090	£40.40
MM93-10	Selectrol® *Escherichia coli* O157 non-toxigenic NCTC® 12900 / ATCC® 700728	10 discs	00014	£40.40

MM98-10	Selectrol® *Haemophilus influenzae* NCTC® 11931	10 discs		£62.65
MM81-10	Selectrol® *Haemophilus influenzae* NCTC® 12699 / ATCC® 49247	10 discs		£62.65
MM100-10	Selectrol® *Haemophilus influenzae* NCTC® 8468 / ATCC® 9334	10 discs		£62.65
MM26-10	Selectrol® *Klebsiella aerogenes* NCTC® 10006 / ATCC® 13048	10 discs	00175	£40.40
MM26-25	Selectrol® *Klebsiella aerogenes* NCTC® 10006 / ATCC® 13048	25 discs	00175	£62.65
MM83-10	Selectrol® *Klebsiella pneumoniae* NCTC® 13368 / ATCC® 700603	10 discs		£40.40
MM04-10	Selectrol® *Klebsiella pneumoniae* NCTC® 9633 / ATCC® 13883	10 discs	00097	£40.40
MM76-10	Selectrol® *Lactobacillus brevis* NCTC® 13386 / ATCC® 8287	10 discs		£62.65
MM99-10	Selectrol® *Legionella anisa* NCTC® 11974 / ATCC® 35292	10 discs	00106	£62.65
MM08-10	Selectrol® *Legionella pneumophila serogroup 1* NCTC® 11192 / ATCC® 33152	10 discs	00107	£62.65
MM92-10	Selectrol® *Listeria innocua* NCTC® 11288 / ATCC® 33090	10 discs	00017	£40.40
MM87-10	Selectrol® *Listeria monocytogenes* NCTC® 11994	10 discs	00019	£40.40
MM77-10	Selectrol® *Listeria monocytogenes* NCTC® 13372 ATCC® 7644	10 discs		£40.40
MM48-10	Selectrol® *Listeria monocytogenes* NCTC® 7973 / ATCC® 35152	10 discs	00109	£40.40
MM96-5	Selectrol® *Neisseria gonorrhoeae* NCTC® 12700 / ATCC® 49226	5 discs		£62.65
MM05-5	Selectrol® *Neisseria gonorrhoeae* NCTC® 8375 / ATCC® 19424	5 discs		£62.65
MM03-10	Selectrol® *Pichia kudriavzevii* NCPF® 3100	10 discs		£40.40
MM68-10	Selectrol® *Proteus mirabilis* NCTC® 10975	10 discs		£62.65
MM43-10	Selectrol® *Proteus mirabilis* NCTC® 13376 / ATCC® 14153	10 discs		£40.40
MM09-25	Selectrol® *Proteus vulgaris* NCTC® 4175 / ATCC® 13315	25 discs		£62.65

MM65-10	Selectrol® *Pseudomonas aeruginosa* NCTC® 10662 / ATCC® 25668	10 discs	00114	£40.40
MM10-10	Selectrol® *Pseudomonas aeruginosa* NCTC® 12903 / ATCC® 27853	10 discs	00025	£40.40
MM10-25	Selectrol® *Pseudomonas aeruginosa* NCTC® 12903 / ATCC® 27853	25 discs	00025	£62.65
MM41-10	Selectrol® *Pseudomonas aeruginosa* NCTC® 13359 / ATCC® 15442	10 discs		£40.40
MM40-10	Selectrol® *Pseudomonas paraeruginosa* NCTC® 12924 / ATCC® 9027	10 discs	00026	£40.40
MM40-25	Selectrol® *Pseudomonas paraeruginosa* NCTC® 12924 / ATCC® 9027	25 discs	00026	£62.65
MM88-10	Selectrol® *Raoultella planticola* NCTC® 9528 *formerly Klebsiella aerogenes*	10 discs		£40.40
MM97-10	Selectrol® *Rhodococcus hoagii* NCTC® 1621 / ATCC® 6939	10 discs	00028	£40.40
MM73-10	Selectrol® *Saccharomyces cerevisiae* NCPF® 3178	10 discs		£40.40
MM84-10	Selectrol® *Salmonella Nottingham* NCTC® 7832	10 discs		£62.65
MM89-10	Selectrol® *Salmonella Poona* NCTC® 4840	10 discs		£40.40
MM11-10	Selectrol® *Salmonella Typhimurium* NCTC® 12023/ ATCC® 14028	10 discs	00031	£40.40
MM11-25	Selectrol® *Salmonella Typhimurium* NCTC® 12023/ ATCC® 14028	25 discs	00031	£62.65
MM46-10	Selectrol® *Staphylococcus aureus* NCTC® 10788 / ATCC® 6538	10 discs	00032	£40.40
MM46-25	Selectrol® *Staphylococcus aureus* NCTC® 10788 / ATCC® 6538	25 discs	00032	£62.65
MM64-10	Selectrol® *Staphylococcus aureus* NCTC® 12493	10 discs	00212	£40.40
MM14-10	Selectrol® *Staphylococcus aureus* NCTC® 12973 / ATCC® 29213	10 discs	00131	£40.40
MM14-25	Selectrol® *Staphylococcus aureus* NCTC® 12973 / ATCC® 29213	25 discs	00131	£62.65
MM13-10	Selectrol® *Staphylococcus aureus* NCTC® 12981 / ATCC® 25923	10 discs	00034	£40.40
MM13-25	Selectrol® *Staphylococcus aureus* NCTC® 12981 / ATCC® 25923	25 discs	00034	£62.65

MM91-10	Selectrol® *Staphylococcus aureus* NCTC® 13373 / ATCC® 43300	10 discs	00211	£40.40
MM85-10	Selectrol® *Staphylococcus aureus* NCTC® 6571 / ATCC® 9144	10 discs	00035	£40.40
MM30-10	Selectrol® *Staphylococcus aureus* NCTC® 7447 / ATCC® 6538P	10 discs	00033	£40.40
MM15-10	Selectrol® *Staphylococcus epidermidis* NCTC® 13360 / ATCC® 12228	10 discs	00036	£40.40
MM15-25	Selectrol® *Staphylococcus epidermidis* NCTC® 13360 / ATCC® 12228	25 discs	00036	£62.65
MM16-10	Selectrol® *Streptococcus agalactiae* NCTC® 8181 / ATCC® 13813	10 discs		£40.40
MM19-10	Selectrol® *Streptococcus pneumoniae* NCTC® 12695 /ATCC® 6303	10 discs		£40.40
MM19-25	Selectrol® *Streptococcus pneumoniae* NCTC® 12695 /ATCC® 6303	25 discs		£62.65
MM95-10	Selectrol® *Streptococcus pneumoniae* NCTC® 12977 /ATCC® 49619	10 discs		£40.40
MM20-10	Selectrol® *Streptococcus pyogenes* NCTC® 12696 /ATCC® 19615	10 discs		£40.40
MM20-25	Selectrol® *Streptococcus pyogenes* NCTC® 12696 /ATCC® 19615	25 discs		£62.65
MM06-10	Selectrol® *Vibrio parahaemolyticus* NCTC® 10885	10 discs	00185	£62.65
MM80-10	Selectrol® *Yersinia enterocolitica* NCTC® 12982 / ATCC® 9610	10 discs	00038	£40.40
MM80-25	Selectrol® *Yersinia enterocolitica* NCTC® 12982 / ATCC® 9610	25 discs	00038	£62.65
MM25-10	Selectrol®*Acinetobacter baumannii* NCTC® 12156 / ATCC® 19606	10 discs		£40.40
MM21-10	Selectrol®*Bacillus cereus* NCTC® 10320 / ATCC® 9634	10 discs	00001	£40.40
MM70-10	Selectrol®*Burkholderia cepacia* NCTC® 10661 / ATCC® 17759	10 discs		£40.40
MM36-10	Selectrol®*Campylobacter jejuni* NCTC® 11351 / ATCC® 33560	10 discs		£62.65
MM31-10	Selectrol®*Clostridium sporogenes* NCTC® 532 / ATCC® 19404	10 discs	00008	£62.65

MM51-10	Selectrol®*Enterobacter cloacae* NCTC® 13406	10 discs		£40.40
MM17-10	Selectrol®*Enterococcus faecalis* NCTC® 775 / ATCC® 19433	10 discs	00009	£40.40
MM23-10	Selectrol®*Enterococcus faecium* NCTC® 7171 / ATCC® 19434	10 discs	00010	£40.40
MM57-10	Selectrol®*Escherichia coli (CRE)* NCTC® 13476	10 discs		£40.40
MM34-10	Selectrol®*Escherichia coli (mcr-1)* NCTC® 13846	10 discs		£40.40
MM02-10	Selectrol®*Escherichia coli* NCTC® 12241 / ATCC® 25922	10 discs	00013	£40.40
MM37-10	Selectrol®*Haemophilus influenzae* NCTC® 12975 / ATCC® 49766	10 discs		£62.65
MM58-10	Selectrol®*Klebsiella pneumoniae (CRE)* NCTC® 13438	10 discs		£40.40
MM55-10	Selectrol®*Klebsiella pneumoniae (CRE)* NCTC® 13440	10 discs		£40.40
MM59-10	Selectrol®*Klebsiella pneumoniae (CRE)* NCTC® 13442	10 discs		£40.40
MM56-10	Selectrol®*Klebsiella pneumoniae (CRE)* NCTC® 13443	10 discs		£40.40
MM04-25	Selectrol®*Klebsiella pneumoniae* NCTC® 9633 / ATCC® 13883	25 discs	00097	£62.65
MM66-10	Selectrol®*Listeria ivanovii* NCTC® 11007 / ATCC® 19119	10 discs	00018	£40.40
MM47-10	Selectrol®*Listeria monocytogenes* NCTC® 10527 / ATCC® 13932	10 discs	00021	£40.40
MM48-25	Selectrol®*Listeria monocytogenes* NCTC® 7973 / ATCC® 35152	25 discs	00109	£62.65
MM67-10	Selectrol®*Mycobacterium smegmatis* NCTC® 8159 / ATCC® 19420	10 discs		£62.65
MM09-10	Selectrol®*Proteus vulgaris* NCTC® 4175 / ATCC® 13315	10 discs		£40.40
MM50-10	Selectrol®*Saccharomyces cerevisiae* NCTC® 10716 / ATCC® 9763	10 discs	00058	£40.40
MM62-10	Selectrol®*Salmonella Enteritidis* NCTC ® 12694 / ATCC® 13076	10 discs	00030	£40.40
MM12-10	Selectrol®*Serratia marcescens* NCTC® 13382 / ATCC® 8100	10 discs		£62.65

MM07-10	Selectrol® *Shigella sonnei* NCTC® 12984 / ATCC® 29930	10 discs	00127	£40.40
MM60-10	Selectrol® *Streptococcus dysgalactiae subsp. equisimilis* NCTC® 13762	10 discs		£40.40

6.2: Accu-Bac® Quantitative Micro-organisms

Accu-Bac® is a quantitative source of quality control micro-organisms, manufactured under licence from the UK Health Security Agency as a guaranteed second-generation derivative of NCTC® and NCPF® cultures. Supplied as single-disc vials with defined CFU target ranges and 95% confidence intervals, Accu-Bac provides reliable, fully traceable performance for industrial quantitative microbiology applications. This product is not currently CE marked.

Code	Description	Size	WDCM	Price
AB45L-1	Accu-Bac Low *Clostridium perfringens* NCTC® 8237 / ATCC® 13124	1 disc	00007	£10.00
AB17L-1	Accu-Bac Low *Enterococcus faecalis* NCTC® 775 / ATCC® 19433	1 disc	00009	£10.00
AB02L-1	Accu-Bac Low *Escherichia coli* NCTC® 12241 / ATCC® 25922	1 disc	00013	£10.00
AB75L-1	Accu-Bac Low *Escherichia coli* NCTC® 9001 / ATCC® 11775	1 disc	00090	£10.00
AB26L-1	Accu-Bac Low *Klebsiella aerogenes* NCTC® 10006 / ATCC® 13048	1 disc	00175	£10.00
AB04L-1	Accu-Bac Low *Klebsiella pneumoniae* NCTC® 9633 / ATCC® 13883	1 disc	00097	£10.00
AB40L-1	Accu-Bac Low *Pseudomonas paraeruginosa* NCTC® 12924 / ATCC® 9027	1 disc	00026	£10.00
AB45M-1	Accu-Bac Medium *Clostridium perfringens* NCTC® 8237 / ATCC® 13124	1 disc	00007	£10.00
AB17M-1	Accu-Bac Medium *Enterococcus faecalis* NCTC® 775 / ATCC® 19433	1 disc	00009	£10.00
AB02M-1	Accu-Bac Medium *Escherichia coli* NCTC® 12241 / ATCC® 25922	1 disc	00013	£10.00
AB75M-1	Accu-Bac Medium *Escherichia coli* NCTC® 9001 / ATCC® 11775	1 disc	00090	£10.00
AB26M-1	Accu-Bac Medium *Klebsiella aerogenes* NCTC® 10006 / ATCC® 13048	1 disc	00175	£10.00
AB04M-1	Accu-Bac Medium *Klebsiella pneumoniae* NCTC® 9633 / ATCC® 13883	1 disc	00097	£10.00
AB40M-1	Accu-Bac Medium *Pseudomonas paraeruginosa* NCTC® 12924 /	1 disc	00026	£10.00

	ATCC® 9027			
AB94UL-1	Accu-Bac Ultra Low *Aspergillus brasiliensis* NCPF® 2275 / ATCC® 16404	1 disc	00053	£10.00
AB42UL-1	Accu-Bac Ultra Low *Candida albicans* NCPF® 3179 / ATCC® 10231	1 disc	00054	£10.00
AB31UL-1	Accu-Bac Ultra Low *Clostridium sporogenes* NCTC® 532 / ATCC® 19404	1 disc	00008	£10.00
AB38UL-1	Accu-Bac Ultra Low *Escherichia coli* NCTC® 12923 / ATCC® 8739	1 disc	00012	£10.00
AB40UL-1	Accu-Bac Ultra Low *Pseudomonas paraeruginosa* NCTC® 12924 / ATCC® 9027	1 disc	00026	£10.00
AB11UL-1	Accu-Bac Ultra Low *Salmonella Typhimurium* NCTC® 12023 / ATCC® 14028	1 disc	00031	£10.00
AB46UL-1	Accu-Bac Ultra Low *Staphylococcus aureus* NCTC® 10788 / ATCC® 6538	1 disc	00032	£10.00
AMB94-1	Multi-Bac Aspergillus brasiliensis NCPF® 2275 / ATCC® 16404 - includes AMB-RHB Rehydration Buffer 1.3ml	1 disc	00053	£60.00
AMB29-1	Multi-Bac Bacillus spizizenii (subtilis) NCTC® 10400 / ATCC® 6633 - includes AMB-RHB Rehydration Buffer 1.3ml	1 disc	00003	£60.00
AMB42-1	Multi-Bac Candida albicans NCPF® 3179 / ATCC® 10231 - includes AMB-RHB Rehydration Buffer 1.3ml	1 disc	00054	£60.00
AMB45-1	Multi-Bac Clostridium Perfringens NCTC® 8237 / ATCC® 13124 - includes AMB-RHB Rehydration Buffer 1.3ml	1 disc	00007	POA
AMB31-1	Multi-Bac Clostridium sporogenes NCTC® 532 / ATCC® 19404 - includes AMB-RHB Rehydration Buffer 1.3ml	1 disc	00008	£60.00
AMB17-1	Multi-Bac Enterococcus faecalis NCTC® 775 / ATCC® 19433 - includes AMB-RHB Rehydration Buffer 1.3ml	1 disc	00009	POA
AMB02-1	Multi-Bac Escherichia coli NCTC® 12241 / ATCC® 25922 - includes AMB-RHB Rehydration Buffer 1.3ml	1 disc	00013	POA
AMB38-1	Multi-Bac Escherichia coli NCTC® 12923 / ATCC® 8739 - includes AMB-RHB Rehydration Buffer 1.3ml	1 disc	00012	£60.00

AMB75-1	Multi-Bac Escherichia coli NCTC® 9001 / ATCC® 11775 - includes AMB-RHB Rehydration Buffer 1.3ml	1 disc	00090	POA
AMB26-1	Multi-Bac Klebsiella aerogenes NCTC® 10006 / ATCC® 13048 - includes AMB-RHB Rehydration Buffer 1.3ml	1 disc	00175	POA
AMB04-1	Multi-Bac Klebsiella pneumoniae NCTC® 9633 / ATCC® 13883 - includes AMB-RHB Rehydration Buffer 1.3ml	1 disc	00097	POA
AMB40-1	Multi-Bac Pseudomonas paraeruginosa - includes AMB-RHB Rehydration Buffer 1.3ml	1 disc	00026	£60.00
AMB11-1	Multi-Bac Salmonella Typhimurium NCTC® 12023 / ATCC® 14028 - includes AMB-RHB Rehydration Buffer 1.3ml	1 disc	00031	£60.00
AMB46-1	Multi-Bac Staphylococcus aureus NCTC® 10788 / ATCC® 6538 - includes AMB-RHB Rehydration Buffer 1.3ml	1 disc	00032	£60.00

7. Stem Cell Research

- Specialist cell culture.
- Every step supported.

Explore Takara Bio media and differentiation systems for cell expansion, maintenance and specialist research workflows. Available in the UK through TCS Biosciences.

7.1: Cellartis® DEF-CS 500 Culture System

The Cellartis® DEF-CS 500 Culture System is an easy-to-use, complete culture system for defined and feeder-free ES and iPS cell expansion in a non-colony, 2D-monolayer format.

Code	Description	Size	Price
Z-CEL-Y30017	Cellartis® DEF-CS™ 500 Basal Medium with Additives	500 ml	£356.00
Z-CEL-Y30012	Cellartis® DEF-CS™ 500 COAT-1	1 pc	£119.00
Z-CEL-Y30010	Cellartis® DEF-CS™ 500 Culture System	1 kit	£372.00
Z-CEL-Y30042	Cellartis® DEF-CS™ 500 Xeno-Free Additives	1 pc	£152.00
Z-CEL-Y30045	Cellartis® DEF-CS™ 500 Xeno-Free Culture Medium w/o Antibiotics	1 Kit	£321.00
Z-CEL-Y30035	Cellartis® Definitive Endoderm Differentiation Kit with DEF-CS™ Culture System	1 Kit	£483.00

7.2: Cellartis® MSC Xeno-Free Culture Medium

Cellartis® MSC Xeno-Free Culture Medium provides optimal conditions that enable maintenance of MSC proliferation and multipotency without the need for plate coating reagents. This medium does not contain any animal-derived components. It is also available in a phenol-red-free version and a GMP-grade version.

Code	Description	Size	Price
Z-CEL-Y40011	Cellartis® 3i mES/iPSC Culture Medium	200 ml	£407.00
Z-CEL-Y50200	Cellartis® MSC Xeno-Free Culture Medium	500 mL	£438.00
Z-CEL-Y50205	Cellartis® MSC Xeno-Free Culture Medium (w/o Phenol Red)	1 kit	£438.00
Z-CEL-Y50210	Cellartis® MSC Xeno-Free GMP Grade Culture Medium	500 mL	POA
Z-CEL-Y40400	STEM101™	50 µg	£245.00
Z-CEL-Y40410	STEM121™	50 µg	£245.00
Z-CEL-Y40420	STEM123™	50 µg	£245.00

7.3: Cellartis® MSC EV Wonder

The MSC EV Wonder system consists of two chemically defined components: a basal medium and an EV-specific supplement. Together, they form a complete, optimized solution for high-yield

EV production in a streamlined format.

Code	Description	Size	Price
Z-CEL-Y51000	Cellartis® MSC EV Wonder™	500 mL	£375.00

7.4: Cellartis® iPS Cell to Hepatocyte Differentiation System

Hepatocytes derived from human induced pluripotent stem (hiPS) cells using the Cellartis® iPS Cell to Hepatocyte Differentiation System are an alternative to primary hepatocytes, as they exhibit sufficient expression levels of drug-metabolizing enzymes and transporters and demonstrate stable functionality over time in culture. In addition, hiPS cell-derived hepatocytes can provide an accurate reflection of the metabolic diversity observed in the human population.

Code	Description	Size	Price
Z-CEL-Y30050	Cellartis® Hepatocyte Differentiation Kit	1 Kit	£697.00
Z-CEL-Y30051	Cellartis® Hepatocyte Maintenance Medium	100 ml	£192.00
Z-CEL-Y30055	Cellartis® iPS Cell to Hepatocyte Differentiation System	1 Kit	£1,043.00

7.5: Cellartis® Power Primary HEP Medium

Human primary hepatocytes (hphep) are an invaluable tool for academic and pharmaceutical labs studying liver disease pathology or as part of the drug development pipeline. To assess disease models and hepatocyte toxicity, robust and predictive hphep cell cultures are required. However, currently available culture media severely limits the utility of primary hepatocytes because hepatocytes lose their function and viability within a week. Additionally, daily feedings are required to maintain the hphep cultures.

Code	Description	Size	Price
Z-CEL-Y20020	Cellartis® Power™ Primary HEP Medium	250 ml	£402.00

7.6: NDiff-227

NDiff 227 medium is a defined, serum-free, N2- and B-27 supplemented medium for neural differentiation of mouse embryonic stem (ES) cells in adherent monoculture (Ying et al. 2003). NDiff 227 can also be supplemented to enable long-term pluripotent stem cell culture. Successive withdrawal of the supplements results in differentiation into the neural lineage.

Code	Description	Size	Price
Z-CEL-Y40002	NDiff® 227	500 ml	£242.00
Z-CEL-XA0530	NDiff® 227 (Custom)	500 ml	POA

7.7: RHB-A

RHB-A is a fully defined, serum-free cell culture medium optimized for the derivation, maintenance, expansion, and differentiation of human and mouse neural stem (NS) cells. RHB-A is specifically formulated for culturing pure populations of adherent human and mouse NS cells.

Code	Description	Size	Price
Z-CEL-Y40001	RHB-A®	500 ml	£264.00

7.8: LymphoONE T-Cell Expansion Xeno-Free Medium

LymphoONE T-Cell Expansion Xeno-Free Medium is specifically formulated for expansion and transduction of human T lymphocytes. It has been optimized to enable efficient T-cell proliferation with or without the addition of human serum or plasma. LymphoONE medium contains no protein other than pharmaceutical-grade human serum albumin and recombinant human insulin, and provides superior performance relative to other commonly used xeno-free media. A phenol red-free GMP-grade version is also available.

Code	Description	Size	Price
Z-CEL-Y20100	LymphoONE® T-Cell Expansion Xeno-Free GMP Grade Medium	1L	£223.00
Z-CEL-WK552	LymphoONE® T-Cell Expansion Xeno-Free Medium	10 x 1 L	£1,416.00
Z-CEL-WK552S	LymphoONE® T-Cell Expansion Xeno-Free Medium	1 L	£160.00

8. Water & Environmental

Our water and environmental solutions support monitoring, detection, and analysis with products for algal toxin detection, bacterial and biofilm testing, environmental sampling, flow cytometry, and microbiological quality control.

8.1: Inactive Bulk *Cryptosporidium* oocysts and *Giardia* cysts

Since we began offering Fluorescent 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
Z9C10E8	Inactivated Bulk *Cryptosporidium* Oocysts 10^8	1 Vial	£2,775.51
Z9C10E7	Inactive Bulk *Cryptosporidium* Oocysts 10^7	1 Vial	£1,225.59
Z9C10E9	Inactive Bulk *Cryptosporidium* Oocysts 10^9	1 Vial	POA
Z9GC10E6	Inactive Bulk *Giardia* Cysts 10^6	1 Vial	£1,162.62
Z9GC10E7	Inactive Bulk *Giardia* Cysts 10^7	1 Vial	POA

8.2: Enumerated Quality Control Products *Cryptosporidium / Giardia*

Since we began offering Fluorescent 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	ColorSeed™ containing 100 *Cryptosporidium* oocysts and 100	10 Vials	£1,254.83

	Giardia cysts		
Z9ES-C100	EasySeed™ containing 100 *Cryptosporidium* oocysts	10 Vials	£990.80
Z9ES-CG100	EasySeed™ containing 100 *Cryptosporidium* oocysts and *Giardia* cysts	10 Vials	£1,077.40

8.3: Fluorescent Conjugated antibodies *Cryptosporidium / Giardia*

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 Fluorescent 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
Z9EST-C240	EasyStain® *Cryptosporidium*	240 Tests	£2,943.90
Z9EST-CG240	EasyStain® *Cryptosporidium* and *Giardia*	240 Tests	£2,803.80
Z9EST-CG80	EasyStain® *Cryptosporidium* and *Giardia*	80 Tests	£1,724.10
Z1NV12	Nail Varnish for Microscopy	8ml	£8.60

8.4: 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 Fluorescent antibody stain, and visualised by fluorescence microscopy.

Code	Description	Size	Price
ZAICS6	Leighton Tube	16 x 125mm (36 per box)	POA

8.5: Algal Toxin Detection

Phytoxigene CyanoDTec is a qPCR assay that detects and quantifies the presence of cyanobacteria and their toxin producing genes in environmental samples. CyanoDTec identifies and quantifies the presence of total cyanobacteria along with 5 genes responsible for 6 different toxins and their congeners.

Code	Description	Size	Price
Z-800-1000	BioGx Bead Lysis Tubes (50)	1	£250.00

Z-CYANONAS-NA026	Cyanobacteria Standard 1,000,000 copy Gene standard	1 set	£98.15
Z-CYANONAS	Cyanobacteria Standards	1 set	£416.00
Z-205-0100	CyanoDTec Combination Kit (24)	Contains 205-0050 &205-0051	£1,250.00
Z-205-0110	CyanoDTec Comprehensive Kit (24)	Contains 205-0050,205-0051, 205-0513	£1,916.66
Z-205-0051	CyanoDTec Cyano Toxin Gene I Kit (24)	1	£708.33
Z-205-0513	CyanoDTec Cyano Toxin Gene II Kit (24)	1	£750.00
Z-205-0050	CyanoDTec Total Cyanobacteria Kit (24)	1	£625.00
Z-720-0234	CyanoDTec Toxin Gene Assay II Control	1 set	£500.00
Z-205-0058	DinoDTec, Marine Saxitoxin Test	1	£708.33
Z-DinoNAS	Dinoflagellate Standards	1 set	£350.00
Z-205-0102	Phytoxigene CyanoDTec Toxin Gene Combination Kit	1	£1,435.00

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 or elsewhere.

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 Comp any or which have not been stored according to the Company's instructions.

7.Limitations of Liability

7.1 Nothing in these Terms and Conditions purports to limit or exclude liability for death or personal injury caused by the Company's negligence or for fraud or for any other liability that cannot be excluded or limited by law.

7.2 Except as set out in these Terms and Conditions 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.

7.3 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:

7.3.1 loss of revenue;

7.3.2 loss of Contracts;

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

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

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

7.4 The Company's total liability for any or all claims arising from acts or default of the Company (whether arising from the Company's negligence or otherwise) shall not exceed the Contract price.

7.5 The Customer shall keep the Company indemnified against all actions, costs, claims and liability arising from faulty 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.

7.6 In the case of Products not manufactured by the Company, the Company gives no representation, warranty or condition whatsoever (unless provided by the third party manufacturer), including without limitation 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 Returns of either defective or non-defective Products must be agreed in writing 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 against a pro-forma invoice.

14.2 Credit account invoices are due for payment 30 days from the date of the invoice.. 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.

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 8% per annum above the Bank of England's base 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.

14.5 If any sum payable becomes overdue the Company reserves the right to suspend deliveries, withhold further performance, withdraw credit facilities or require payment in advance for future deliveries.

14.6 The Customer shall pay all sums due to the Company in full and without any deduction, set off or counterclaim.

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 the Products have been paid in full

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 an agent and the proceeds of any such sale shall be held in trust for 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 sh
all 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, or by email to an agreed email address 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 email transmission when received..

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. 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 wording 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. Compliance with applicable laws.
Each party shall comply with all applicable laws in relation to these Terms and Conditions including without limitation, data privacy and anti-bribery laws.

25. Proper Law

Terms and Conditions

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