

Life for Cells



48+

Years in the Service of
Mankind

MORE THAN

98500

Citations

HIMEDIA

MORE THAN

335

Global Channel Partners

15

Manufacturing
Locations

MORE THAN

150

Countries being served

MORE THAN

35895

SKUs



We Innovate.



Media Development

- Design of Experiments
- Multi-level factorial screening and interaction analysis
- Amino acid analysis



Process Development

- Optimization
- Scale-up
- Reduction in TAT

Customization

- Formulation
- Testing
- Packaging

We Make.

**1000 +
tons media**

PRODUCED PER YEAR

250000 sqft

PRODUCTION AREA

ISO Class 10000

MODULAR CLEAN SUITES

Powder

Dedicated milling and blending suites, advanced cryogenic milling technology

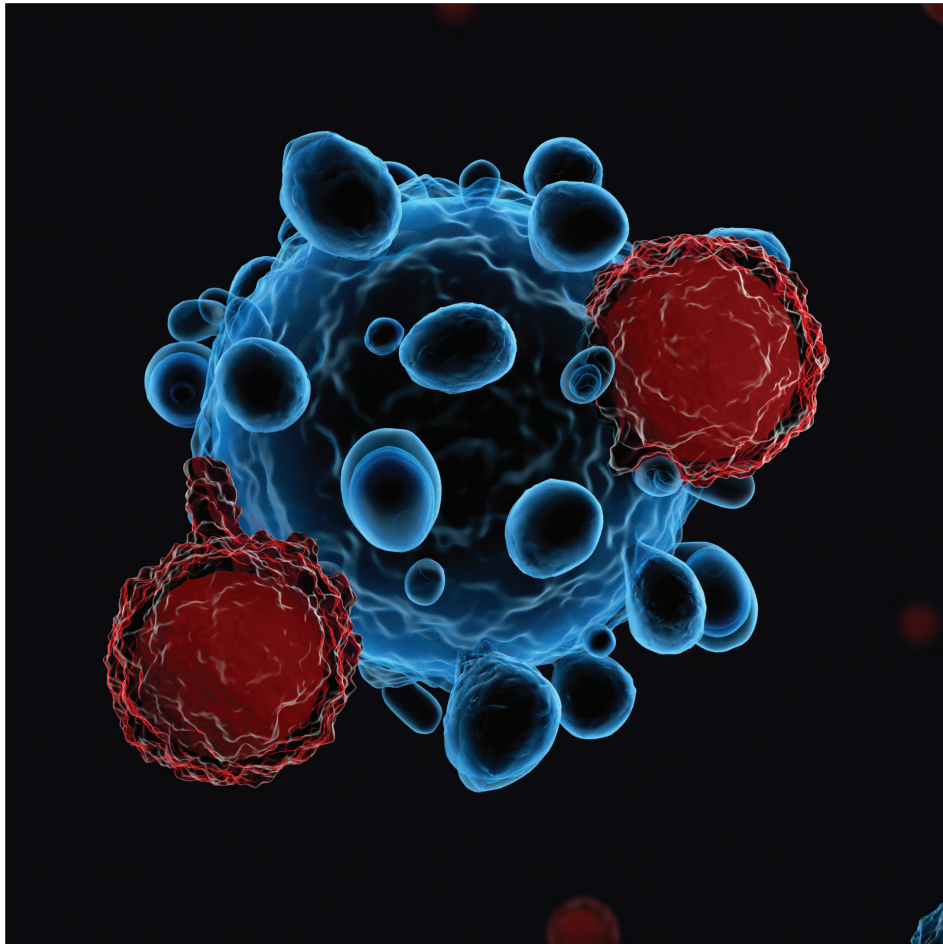
- 3500 kg maximum lot size
- Superior particle size consistency
- Minimal heat destruction

Liquid

Dedicated clean suites for preparation, filtration and automated bottle filling and capping.

- ASMEBPE compliant vessels
- Minimum manual intervention
- Ultrapure 18.2 Ω water used

We Evaluate.



Process

- Growth curve
- Serial subculturing
- Cloning efficiency
- Plating efficiency
- Endotoxin testing

Tools

- 60+ Cell Lines
- 6+ Primary Cells
- 3+ Stem Cells

Methods

- Particle size analysis
- Critical Component analysis
- Identification by IR
- Impurity analysis
- Trace element and heavy metal analysis

We Conform.



Quality Management System

- ISO9001:2015
- ISO13485:2016
- ISO22000:2018
- WHO-GMP
- Kosher - Halal

Health & Environment Safety

Institutional Biosafety Committee in accordance with Department of Biotechnology (DBT) for use of recombinant cell clones

Tissue Processing

Institutional Ethics Committee (IEC) and Institutional Committee for Stem Cell Research (IC-SCR) in accordance with Indian Council of Medical Research (ICMR)

Mammalian Cell Culture Media



Insect Media



HiGlutaXL™

Media Containing Stable Glutamine



LoSera™

Reduced Serum Supplementation Media



CHOin1™

Media for Bioproduction



**HEKin1™, CELLin1™,
BHKin1™, PrimaVac™**

Viral Vaccine Media



**CELL CU
MED**



REF SFM

Chemically defined
Free Virus Production
w/ Sodium bicarbonate
w/o L-Glutamine
Add 20ml of L-Glut
of SFM036L(B) for

STERILE A

NOTES:

*For More details refer Techn

On receipt Store at 8°C

LOT 0000388558

2020-05

Net Content 500ml

HiMedia Laboratories Pvt. Ltd.
Plot No. B415, Palmes Hill, Gurgaon, Haryana, India
Customer Care No. 022-41161

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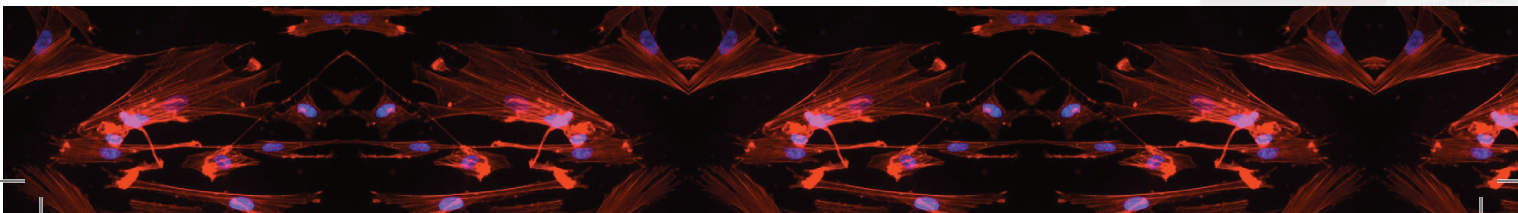
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CULTURE MEDIA



STEMin1™, HiMesoXL™, HiPer®

Stem Cell Media

smarT™, HiKeratinoXL™, HiEndoXL™

Primary Cell Media

HiKaryoXL™, HiAmnioXL™, HiMarrowXL™

Karyotyping Media

HiSep™

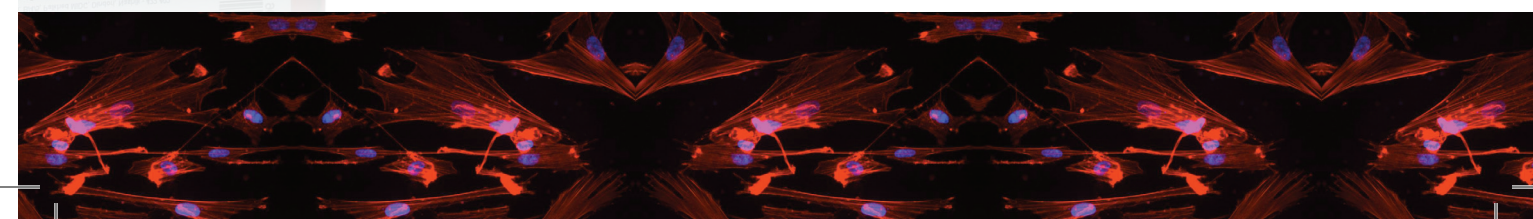
Density Gradient Separation Media

CryoXL™, FREEZin1™, CryoLITE™

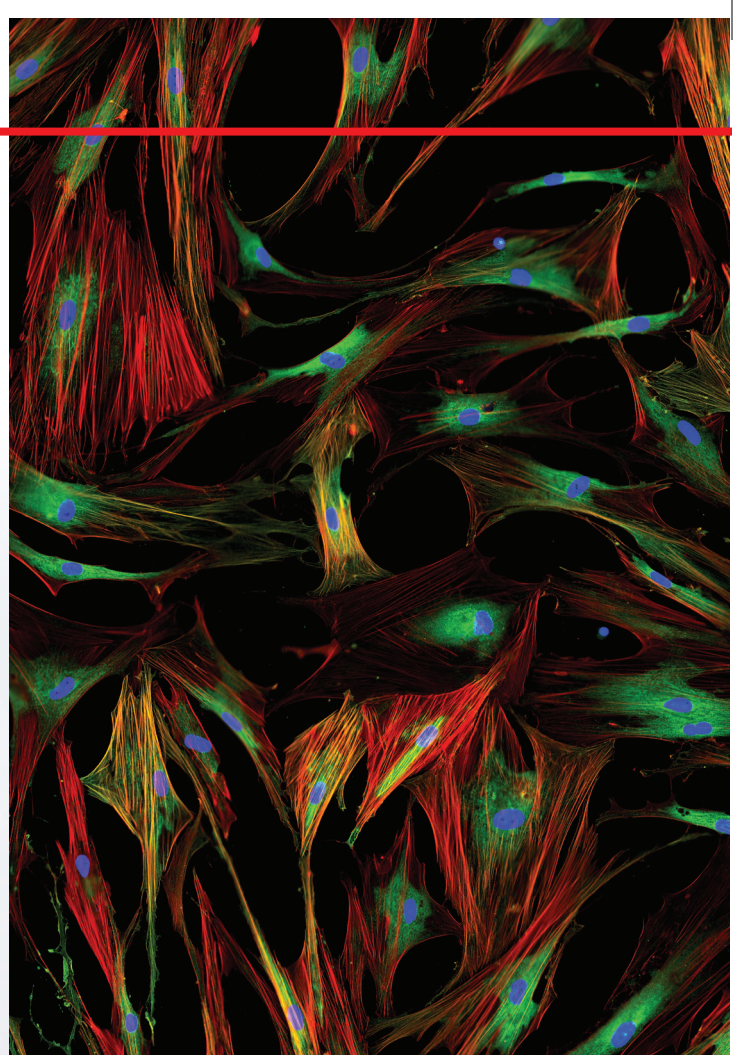
Cell Freezing Media

HiViral™, COVIDSafe™

Viral Transport Media



CLASSICAL MEDIA



MAMMALIAN CELL MEDIA

INSECT MEDIA

HiGlutaXL™ Media

LoSera™ Media

HYBRIDOMA CULTURE MEDIA

TRANSFECTION MEDIUM

HiGlutaXL™ Media

Media containing stable glutamine

01

Thermostable in nature

02

Reduces toxic ammonia build-up

03

Gives a controlled and sustained supply of Glutamine

04

Increases stability of your media

LoSera™ Media

Media requiring reduced serum supplementation

01

Reduces serum consumption by 50 to 90%

02

Reduces cost of medium

03

Improves reproducibility

04

No adaptation or weaning required

05

Reduces protein interference in bioassays

06

Easier purification of culture products

CUSTOMIZED MEDIA



Media Formulation

Knock out

Novel formulation



Additional Testing

Application specific testing

As per regulatory requirement



Packaging

Powder media: In drums

Liquid media: In bags

HIMEDIA®

For Life is Precious

 **ELLBIO**™

VIRAL VACCINE MEDIA

Assisting you
at every step
of Viral Vaccine
Production

Step 01

Cell Adaptation through
our service platform

Step 02

Upstream Processing
through our media
platform

Step 03

Downstream Processing
through our analytical
services

Step 04

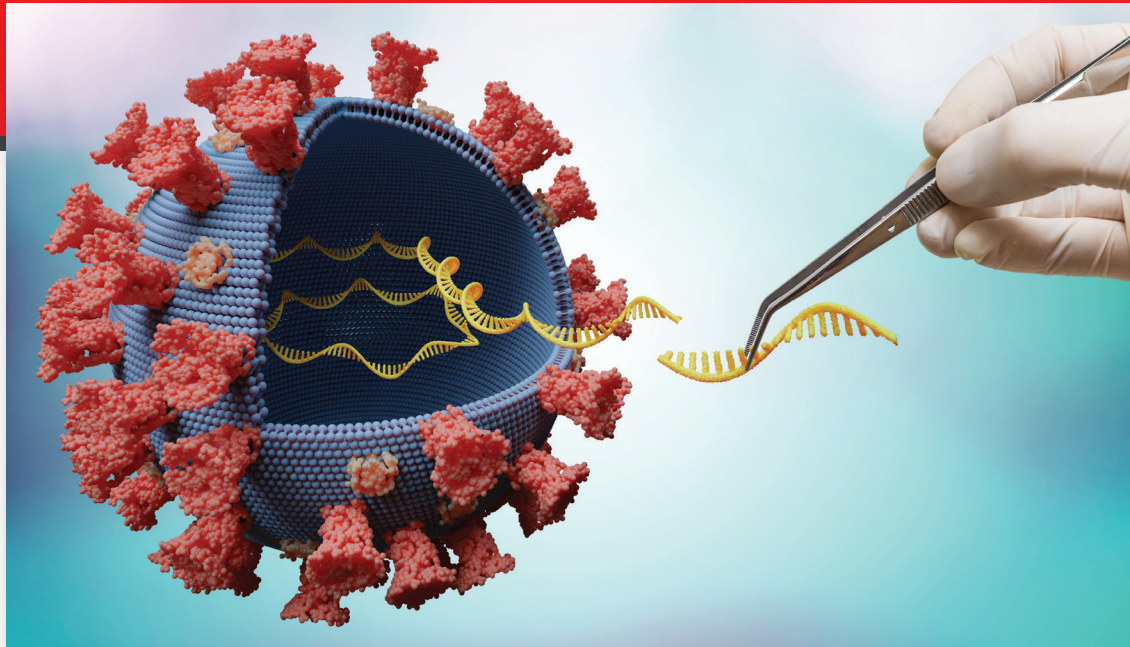
Vaccine Formulation
through our
multicompound
chemicals



Take A Step Towards

Speeding up your progress while minimizing risk
and improving cost effectiveness

Accelerate Your Viral Vaccine Development with our host specific media for virus production



Human Viral Vaccine

CELLin1™

Serum free and animal component free medium optimized for production of inactivated COVID-19 vaccines and other viral vaccines using VERO, PK-15, MDCK and MDBK cells

HEKin1™

Serum free and animal component free medium fully optimized for production of HEK-based recombinant COVID-19 vaccine.

FMD Vaccine

BHKin1™

BHKin1™ media is specifically designed to enhance the growth of cells for FMDV vaccine production.

GMEM

GMEM media is designed to enhance the growth of cells for FMDV vaccine production in serum condition.

Avian Vaccine

PrimaVac™

Chicken embryo fibroblast medium is widely used for the initial isolation and propagation of viruses and the production of avian vaccines.

HIMEDIA®

For Life is Precious

CELLBIO™

CHOin1™ Media & Feeds

Comprehensive range of clone-specific serum-free, protein free media and feed supplements and Bio-Production services



MEDIA

CHOin1™ Serum Free Medium

CHOin1™ Feed Supplement

Serum Free Supplements

BIO-PRODUCTION SERVICES

Clone Specific Media & Feed Development

- Assured Clone Security
- Systematic Development

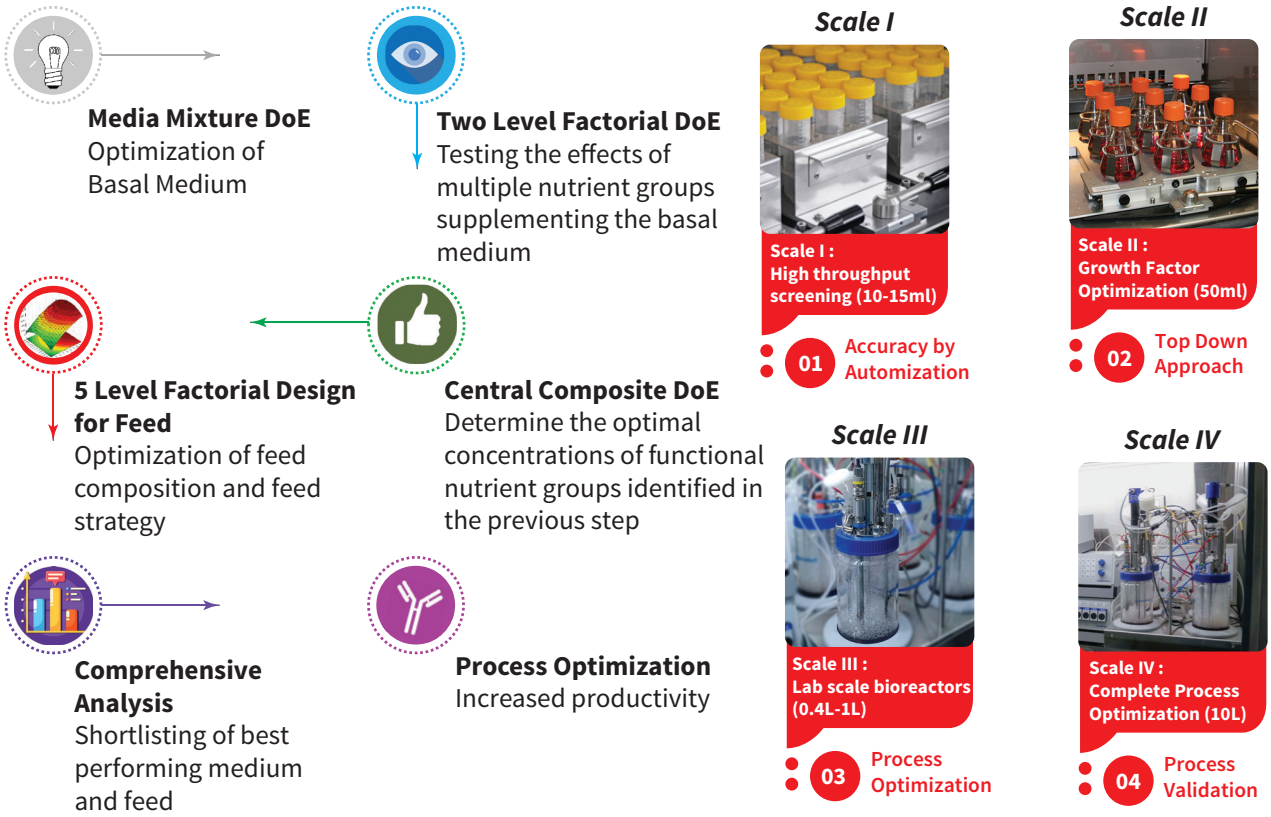
Spent Media Analysis

Media Optimization

PROCESS DEVELOPMENT

From Clone to Protein

SYSTEMATIC SCALE UP APPROACH



Product Listing

Product Name	Code	Product Name	Code
Polyamine Supplement 1000X	TCL197	ITS Supplement 100X, Liquid	TCL064
Cholesterol Supplement, 250X	TCL092	ITS-E Supplement 100X, Liquid	TCL065
GSEM Supplement, 50X Liquid	TCL088	ITS-P Supplement 100X, Liquid	TCL066
Lipid Supplement, 100X	TCL091	ITS-B Supplement 100X, Liquid	TCL067
HAT Medium Supplement 50X, Liquid	TCL072	ITS-L1 Supplement 100X Liquid	TCL097
HT Medium Supplement 50X, Liquid	TCL073	ITS-D Supplement 100X Liquid	TCL124



For Life is Precious



smarT™

T Cell Expansion Medium



A Complete, Serum free (SF), Xeno-free (XF) system for in vitro culture of human T cells

Manufactured in
GMP, ISO 13485 and
ISO 9001 certified
facility

Serum Free,
Xeno Free
medium

Robust growth
and expansion
capacity

Define medium-
enhances
reproducibility

Activation potential

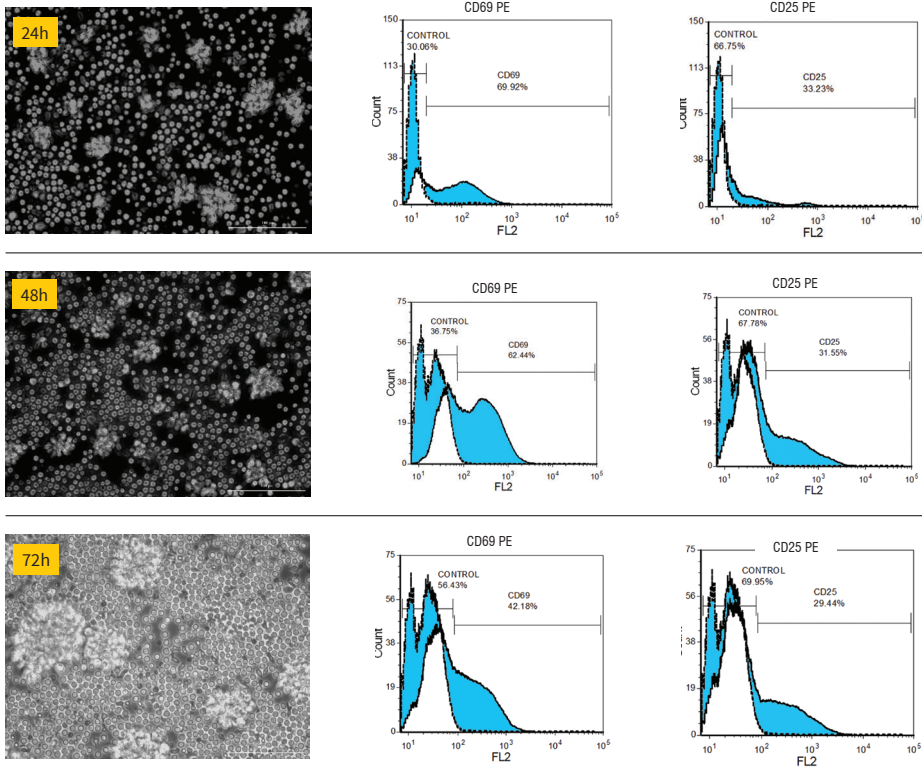


Fig 1 : T cells isolated from Peripheral Blood Mononuclear cells showing activation by adding human anti-CD3/ OKT3 clone and anti-CD28 antibody for 24h, 48h and 72h. T cells were visualized under microscope and activation was checked on flow cytometer by surface expression of CD69 and CD25.

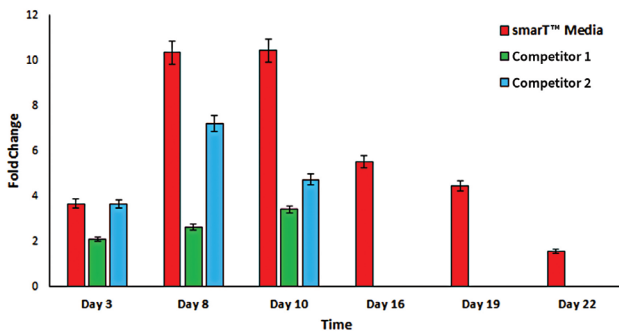


Fig 2 : Viable cell fold increase of isolated T cells in smarT™

Product Name	Code
smarT™ T cell Expansion Medium	AL541

STEMin1™



A Complete, Defined, Serum free (SF), Xeno-free (XF) system for in vitro culture of human mesenchymal stem cells

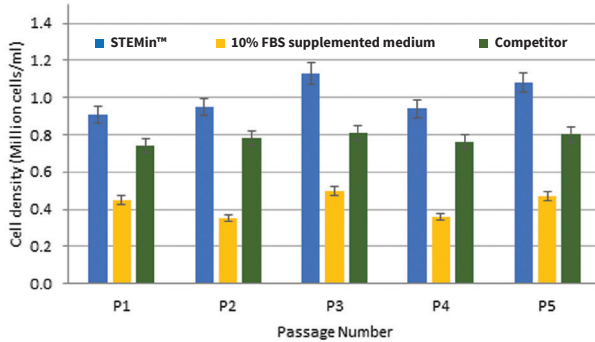
Manufactured in GMP, ISO 13485 and ISO 9001 certified facility

Defined medium – enhances reproducibility
Retains stemcell markers and assures purity

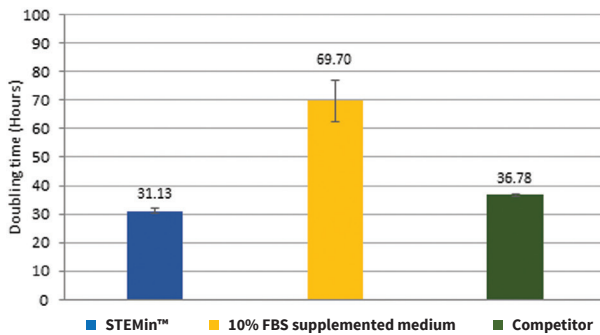
Superior cell expansion capacity and faster growth

Maintains trilineage differentiation potential through long term passaging

Supports high cell densities



Faster growth and less doubling time



Product Category

Product Name

Product Code

Expansion Media

Serum free Media	STEMin1™	AL520
With serum supplementation	HiMesoXL™ Mesenchymal Stem Cell Expansion Medium	AL512
Reduced serum	HiMesoXL™ Mesenchymal Stem Cell Expansion Medium, Reduced Serum	AL519
With high glucose supplementation	HiPer® Dulbecco's Modified Eagle Medium, High Glucose	AL250A
	HiPer® Dulbecco's Modified Eagle Medium, High Glucose	AL250

Differentiation Media

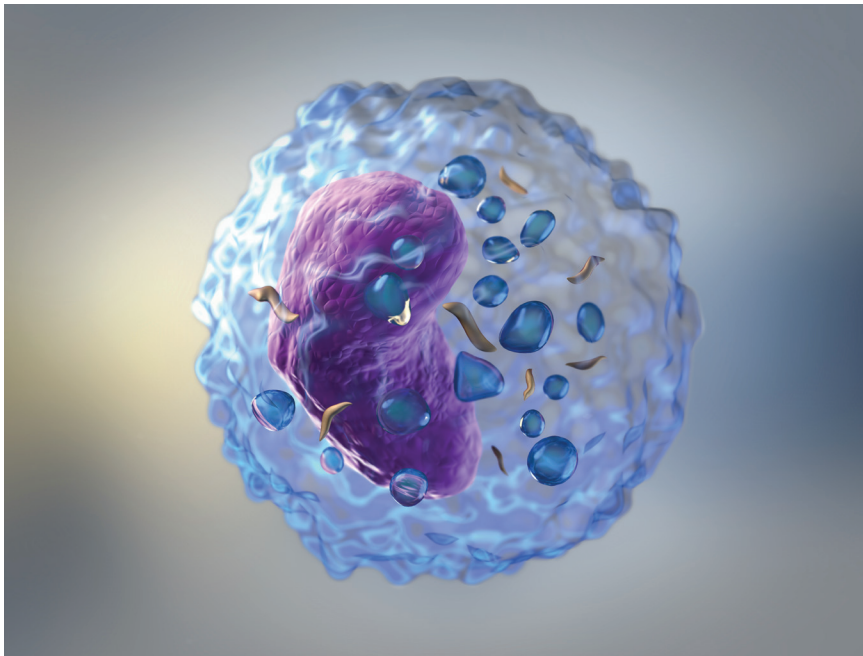
Adipocyte	HiAdipoXL™ Adipocyte Differentiation Medium	AL521
Osteocyte	HiOsteoXL™ Osteocyte Differentiation Medium	AL522
Chondrocyte	HiChondroXL™ Chondrocyte Differentiation Medium	AL523
Preadipocytes	HiAdipoXL™ Adipogenic Differentiation Medium for 3T3-L1 cells	AL537

HIMEDIA®

For Life is Precious



HiSep™ Lymphocyte Separation Media



Isolation of PBMCs is fundamental to the immunology research.

Success of the process highly depends on quality of the final isolated population in terms of functional and morphological intactness of cells and presence of large number of a specific cell population. This isolated population should be pure or minimally contaminated with other cell types.

HiSep™ Lymphocyte Separation Media are sterile, ready to use, density gradient media for isolating viable mononuclear cells from human blood and other animal species.

PRODUCTION

Manufactured in GMP, ISO 13485 and ISO 9001 certified facility

CERTIFICATION

CE Marked for IVD (98/79/EC)

QUALITY

Endotoxin level less than 0.3 EU/ml

YIELD

95 ± 5% mononuclear cells
3 ± 2% granulocytes
More than 90% viability

SELECT THE RIGHT DENSITY

Code	Product Name	Density	Cell type separated	Species
LS001	HiSep™ LSM 1077	1.077 g/ml	Mononuclear cells (Lymphocytes and monocytes)	Human
LS002	HiSep™ LSM 1073	1.073 g/ml	Lower density human mononuclear cells (eg- mesenchymal stromal cells or monocytes).	Human
LS003	HiSep™ LSM 1084	1.084 g/ml	Mononuclear cells of higher density	Chicken, Rats, Mice and other Mammals.
LS004	GranuloSep™ GSM 1119	1.119 g/ml	Mononuclear cells and granulocytes	Human
LS005	Ficoll 400-20%	Ficoll 400-20%	Commonly used to prepare density gradients	-



HiSep™ LSM OFFERS YOU THE FOLLOWING BENEFITS

01

Purity by Flow Cytometry

02

Viability by Automated Cell Counter CASY

03

CD15+ Marker Analysis

04

Lot to lot consistency

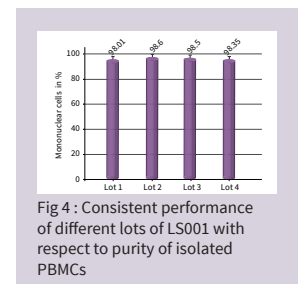
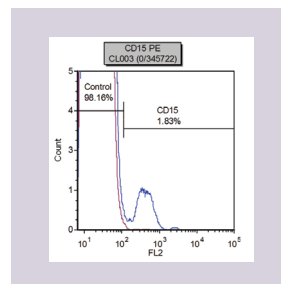
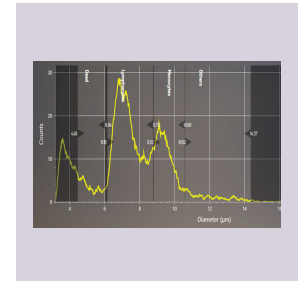
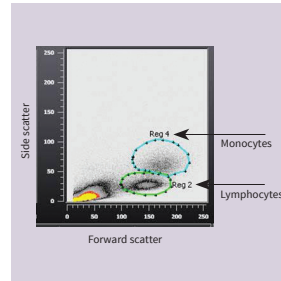


Fig 4 : Consistent performance of different lots of LS001 with respect to purity of isolated PBMCs

HiKaryoXL™

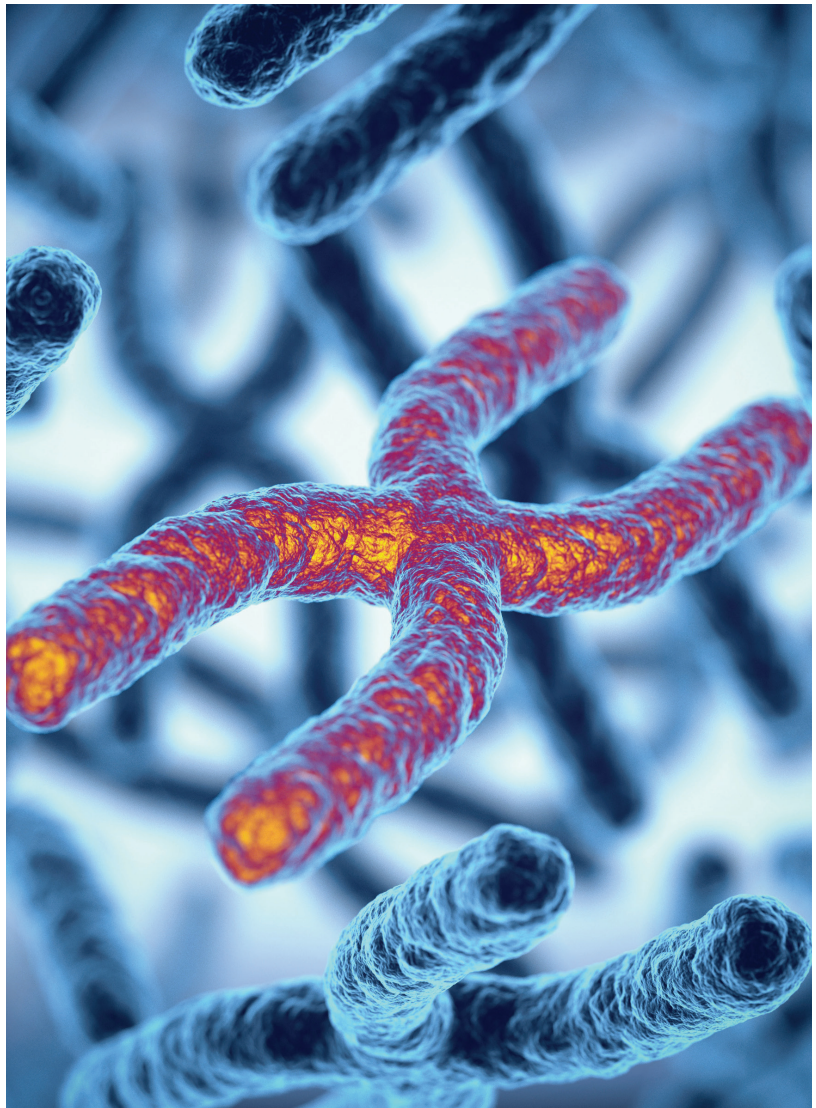
Karyotyping Solutions

CE Marked for IVD
(98/79/EC)

Manufactured under
GMP, ISO 13485 and
ISO 9001 certified
facility

Guaranteed high
mitotic index &
desired chromosomal
morphology

**Avoid repeated
freeze-thaw
Use 10ml
convenient
pack**



IT'S ALL ABOUT UNDERSTANDING GENETICS

Our objective is to make quality diagnostic tools for making cytogenetic analysis convenient, easy and accurate.

HiKaryoXL™ media are a series of ready-to-use media developed for short term in vitro culture of peripheral blood lymphocytes for cytogenetic studies.

Media containing PHA-M as mitogen

HiKaryoXL™ RPMI Medium AL165A
w/ L-Glutamine, FBS, PHA-M,
Penicillin, Streptomycin and Sodium
bicarbonate

HiKaryoXL™ Nutrient Mixture F10 AL169A
Medium
w/ L-Glutamine, FBS, PHA-M,
Penicillin, Streptomycin and Sodium
bicarbonate

Media containing PHA-P as mitogen

HiKaryoXL™ RPMI Medium AL249A
w/ L-Glutamine, FBS, PHA-P,
Penicillin, Streptomycin and Sodium
bicarbonate

Media without mitogen

HiKaryoXL™ RPMI Medium AL173A
w/ L-Glutamine, FBS, Penicillin,
Streptomycin and Sodium
bicarbonate w/o PHA-M

HiKaryoXL™ Nutrient Mixture F-10 Ham
Medium AL185A
w/ L-Glutamine, FBS, Penicillin,
Streptomycin and Sodium
bicarbonate w/o PHA-M

Others

Potassium chloride Solution, 0.075M TCL040

Trypsin-EDTA Solution 10X TCL070
w/ 2.5% Trypsin (1:250), 0.2% EDTA

Trypsin Solution for G-Banding TCL122
w/ 0.025% Trypsin

Gurr Buffer Solution pH 6.8 TL1139

Mitotic Inhibitors

HiKaryoXL™ Colchicine Solution w/
10µg per ml Colchicine TCL062

Colchicine TC030

HiKaryoXL™ Colcemid® Solution w/
10µg per ml Colcemid TCL074

HiKaryoXL™ Colcemid® Solution
w/ 10µg per ml Colcemid TCL133

Colcemid® TC566
Demecolcine

Mitotic Stimulators

HiKaryoXL™ PHA-M Solution
w/ 0.1 mg per ml TCL061

HiKaryoXL™ PHA-M Solution
w/ 1 mg per ml PHA-M TCL071

PHA-M TC209
(Phytohemagglutinin-M)

PHA-P (Phytohemagglutinin-P) TC226

Concanavalin A TC220

Stains

Giemsa Stain Solution TCL083

Giemsa stain TC232

Bisbenzimidazole (Hoechst 33258) TC225

DAPI dihydrochloride (4', 6-Diamidino-
2-phenylindole dihydrochloride) TC229



For Life is Precious



HiAmnioXL™ Amniocyte Karyotyping Medium

CE Marked for IVD
(98/79/EC)

Manufactured under
GMP, ISO 13485 and
ISO 9001 certified
facility

Improved chromosomal
morphology



**Avoid repeated
freeze-thaw
Use 10ml
convenient
pack**

IT'S ALL ABOUT UNDERSTANDING GENETICS

HiAmnioXL™ Amniocyte Karyotyping Medium is developed specifically for the in vitro prenatal diagnostic testing of human amniotic fluid and CVS specimens and designed for ease of handling

HiAmnioXL™ Amniocyte Karyotyping Medium
w/ L-Glutamine, FBS, Gentamicin Sulfate and
Sodium bicarbonate

AL202A
AL202A

HiMarrowXL™ Bone Marrow Karyotyping Medium

CE Marked for IVD
(98/79/EC)

Manufactured under
GMP, ISO 13485 and
ISO 9001 certified
facility

Supplemented with
conditioned medium,
guarantee high mitotic
index

**Avoid repeated
freeze-thaw
Use 10ml
convenient
pack**



IT'S ALL ABOUT UNDERSTANDING GENETICS

HiMarrowXL™ Karyotyping Medium is a karyotyping medium recommended for short term in vitro culture of primary bone marrow cells for cytogenetic studies

HiMarrowXL™ Karyotyping Medium
w/ L-Glutamine, Sodium bicarbonate, FBS,
Conditioned Medium and Gentamicin Sulfate

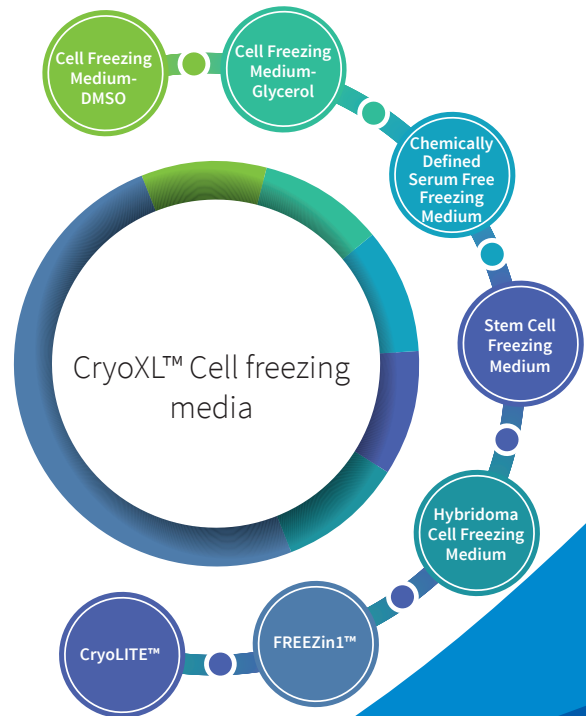
AL301A
AL301A
AL301A

CryoXL™ Media

ARE YOU STILL MAKING YOUR OWN MEDIA FOR FREEZING PRECIOUS CELL LINES?

Cryopreservation, an apparently simple technique practically involves many factors that influence its success, the major factor being the quality of cryopreservation media.

CryoXL™ cryopreservation media are ready-to-use freezing media optimized for effective cryopreservation of your cells.



Introducing

FREEZin1™ (Universal freezing medium)

&

CryoLITE™ (DMSO free medium)

FREEZin1™

Universal freezing medium suitable for stem cells, primary cells, serum free cells & sensitive cell line

FREEZin1™ w/ DMSO w/o Antibiotics, Antimycotics and Phenol red	TCL098-50ML
----------------------------------------------------------------------	-------------

Preservation with Improved Cell Recovery

For regular and sensitive cell lines

CryoXL™ Cell Freezing Medium-DMSO, 1X w/ FBS and DMSO w/o Antibiotics	TCL043-50ML
CryoXL™ Cell Freezing Medium-DMSO, 1X w/ FBS and DMSO w/o Antibiotics	TCL093-50ML
CryoXL™ Cell Freezing Medium-DMSO, 1X w/ FBS and DMSO w/o Antibiotics and Phenol red	TCL056-50ML
CryoXL™ Cell Freezing Medium-Glycerol, 1X w/ FBS and Glycerol w/o Antibiotics and Phenol red	TCL078-50ML
CryoXL™ Cell Freezing Medium-Glycerol, 1X w/ FBS and Glycerol w/o Antibiotics	TCL044-50ML

Animal Origin Free and Serum-Free Formulation

Developed to reduce regulatory hassles

CryoXL™ Serum Free Cell Freezing Medium-DMSO, 1X w/ DMSO w/o Antibiotics	TCL082-50ML
CryoXL™ Chemically Defined Serum Free Freezing Medium w/ DMSO w/o Antibiotics, Antimycotics and Phenol red	TCL098-50ML

Improved post-thaw Recovery of Stem Cells

Optimized to maintain differentiation potential

CryoXL™ Stem Cell Freezing Medium w/ FBS and DMSO w/o Antibiotics	TCL107-50ML
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CryoLITE™

DMSO free formulation for cryopreservation of your most precious cells

CryoLITE™ DMSO free Freezing Medium Without DMSO, Antibiotics, Antimycotics and Phenol red Sterile filtered	TCL285-50ML
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Developed for sensitive Hybridoma cells

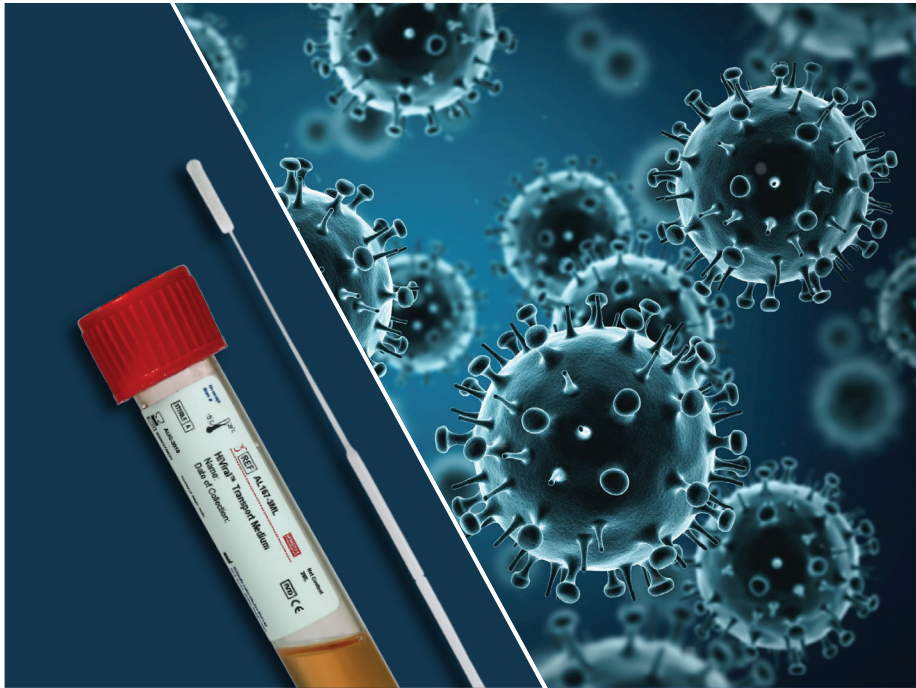
Preservation without affecting biochemical functions

CryoXL™ Hybridoma Cell Freezing Medium, DMSO, 1X w/ FBS and DMSO w/o Antibiotics	TCL123-50ML
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Cryoprotectants - The Pillars Of Cryopreservation

Dimethyl sulphoxide (DMSO) Cell Culture Tested	TC185-100ML TC185-250ML
Dimethyl sulphoxide (DMSO), Sterile Cell Culture Tested	TC349-100ML
Glycerol Cell Culture Tested	TC503-500ML TC503-1L
HybridoXL™ DMSO Hybridoma Tested	TC429-100ML
HybridoXL™ DMSO, Sterile Hybridoma Tested	TC433-100ML
CryoXL™ DMSO, Sterile Meets USP and EP Specifications	TC450M-100ML
Glycerol Meets USP and EP specifications	TC503M-500ML TC503M-1L
D-(+)-Trehalose dihydrate Cell Culture Tested	TC177-10G TC177-25G TC177-100G
D-(+)-Trehalose dihydrate Meets USP and EP testing specifications	TC177M-10G TC177M-25G TC177M-100G
Sucrose Cell Culture Tested	TC048-500G TC048-1KG TC048-5KG
Sucrose Meets USP and EP testing Specifications	TC048M-500G TC048M-1KG TC048M-5KG

Viral Transport Systems



Manufactured in
GMP, ISO 13485 and
ISO 9001 Certified
facility

CE Marked for IVD
(98/79/EC)

Guaranteed
Functionality,
Sensitivity and
Specificity

Designed according
to WHO Directive
(Annex 8) and ICMR
guidelines

Validated by
reputed Indian
Institutes such as
NIV and ICMR

Validated by
European, Middle
Eastern and Hong
Kong authorities

HiViral™ Transport Media

Antibacterial and antifungal agents prevent bacterial and fungal contamination
Avoids drying up of the sample
Allows long survival of the present virus
Prevents the growth of other bacteria and fungi present in the specimen
Stabilizes the viruses and offers maximum recovery

Swabs

SUITABLE FOR NASOPHARYNGEAL, NASAL OR TRACHEAL SAMPLES

Patient Friendly Design : Ergonomic design and soft texture for maximum yield.
Improves patient comfort and specimen collection
Uptake and Transfer : Quantitative measurement and improved test sensitivity
Release : Spontaneous elution of sample into liquid media
Applications : Rapid antigen testing, EIA, molecular-based assays, DFA, cytology testing, bacteriology and virology culture

HiViral™ Transport Kits

Code	Tube	Media volume (ml)	Nasopharyngeal nylon flocked w/ breakpoint	Oropharyngeal viscose w/o breakpoint	Oropharyngeal viscose w/ breakpoint	Oropharyngeal nylon flocked w/ breakpoint
MS2760L	75mm round bottom	1.3ml	•		•	
MS2760M	75mm round bottom	1.3ml	•			
MS2760N	75mm round bottom	1.3ml	•	•		
MS2760P	75mm round bottom	1.3ml	• (2 swabs)			
MS2760Q	75mm round bottom	1.3ml	•			•
MS4760	100mm round bottom	3ml	•			
MS4760A	100mm round bottom	3ml	•	•		
MS4760H	100mm round bottom	3ml	• (2 swabs)			
MS4760R	100mm round bottom	3ml	•			•
MS4760L	100mm round bottom	3ml	•		•	
MS2760	Self-standing / conical bottom	3ml	•			
MS2760A	Self-standing / conical bottom	3ml	•	•		
MS2760H	Self-standing / conical bottom	3ml	• (2 swabs)			
MS2760R	Self-standing / conical bottom	3ml	•			•
MS2760S	Self-standing / conical bottom	3ml	•		•	



* As per availability tube type will vary

Swabs

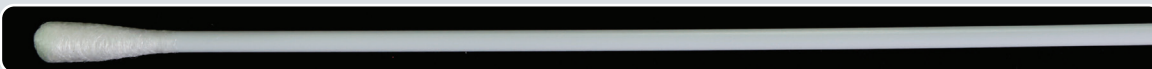
Nasopharyngeal Nylon Flocked Swab



Breakpoint at 89mm from tip

PW1172

Oropharyngeal Viscose Swab



Available without & with breakpoint (breakpoint at 80mm, 65mm & 30mm from tip)

PW043/B/C/D

Oropharyngeal Nylon Flocked Swab



Breakpoint at 30mm from tip

PW1374

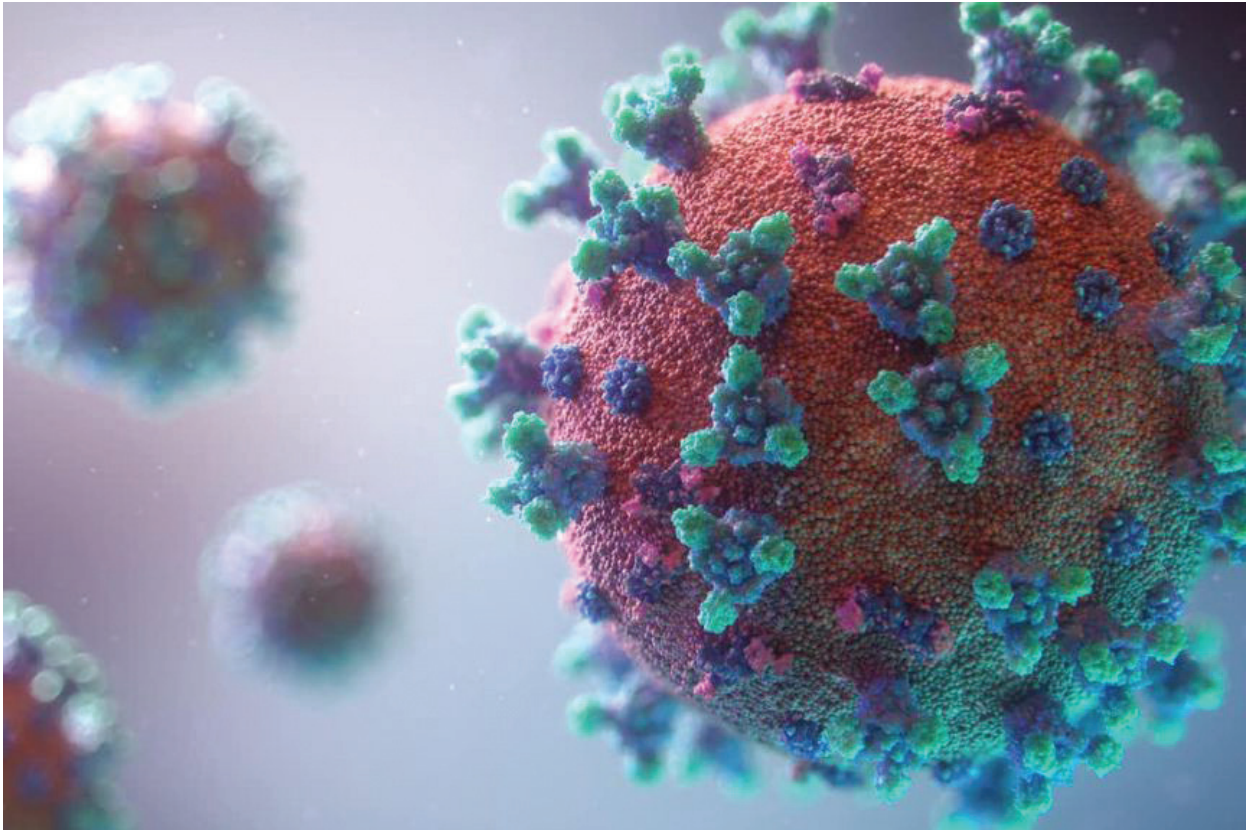


For Life is Precious



COVIDSafe™

Inactivation Medium



INACTIVATE... AND BE COVIDSafe™ !

COVIDSafe™ is a stabilization, inactivation and transportation medium designed for potentially infectious viruses in suspected samples.

Specially designed for molecular testing, it rapidly inactivates pathogen infectivity and minimizes risk of accidental disease spread

On-spot inactivation of
viral virulence

Risk-free sample
handling

Biosafety level III Not re-
quired

Cold chain NOT required
for transportation

Advantages

Safety

Risk of accidental spillage/ exposure increases in case of any pandemic, where large volume of samples are collected and handled. On-the-spot inactivation of samples minimizes such risks of accidental spread of disease.

Ease of handling

Due to inactivation, sample virulence is lost and samples can be processed under Biosafety Level II.

Easy and economical transport

Samples can be stored and shipped at ambient temperature, thereby, eliminating the need of cold chain maintenance and reducing shipping/ packing costs.

Storage and shelf life

Store at room temperature, away from bright light. Use before date of expiry given on the product label.

Sample collected can be stored at:

Ambient Temperature	08 Days
2 – 8°C	15 Days
-20°C	1 Month
-80°C	1 Year

Product Listing

Product Name	Code
COVIDSafe™ Virus Inactivation Medium	AL167CS -50NO
COVIDSafe™ Virus Inactivation Kit with Virus Inactivation Medium in self-standing tube and one Sterile Nasopharyngeal Nylon Flocked Swab with Breakpoint	MS5760-50NO
COVIDSafe™ Virus Inactivation Kit (A) with Virus Inactivation Medium in self-standing tube, One Sterile Nasopharyngeal Nylon Flocked Swab with Breakpoint and One Sterile Oropharyngeal Viscose Swab without Breakpoint	MS5760A-50NO
COVIDSafe™ Virus Inactivation Kit (Q) with Virus Inactivation Medium in self-standing tube, one Sterile Nasopharyngeal Nylon Flocked Swab with Breakpoint and one Sterile Oropharyngeal Nylon Flocked Swab with Breakpoint	MS5760Q-50NO
COVIDSafe™ Virus Inactivation Kit (H) with Virus Inactivation Medium in self-standing tube and two Sterile Nasopharyngeal Nylon Flocked Swabs with Breakpoint	MS5760H-50NO
COVIDSafe™ Virus Inactivation Kit (L) with Virus Inactivation Medium in self-standing tube, One Sterile Nasopharyngeal Nylon Flocked Swab with Breakpoint and One Sterile Oropharyngeal Viscose Swab with Breakpoint	MS5760L-50NO

Note : Both 1.5ml & 3ml COVIDSafe™ Inactivation Medium variants are available



For Life is Precious



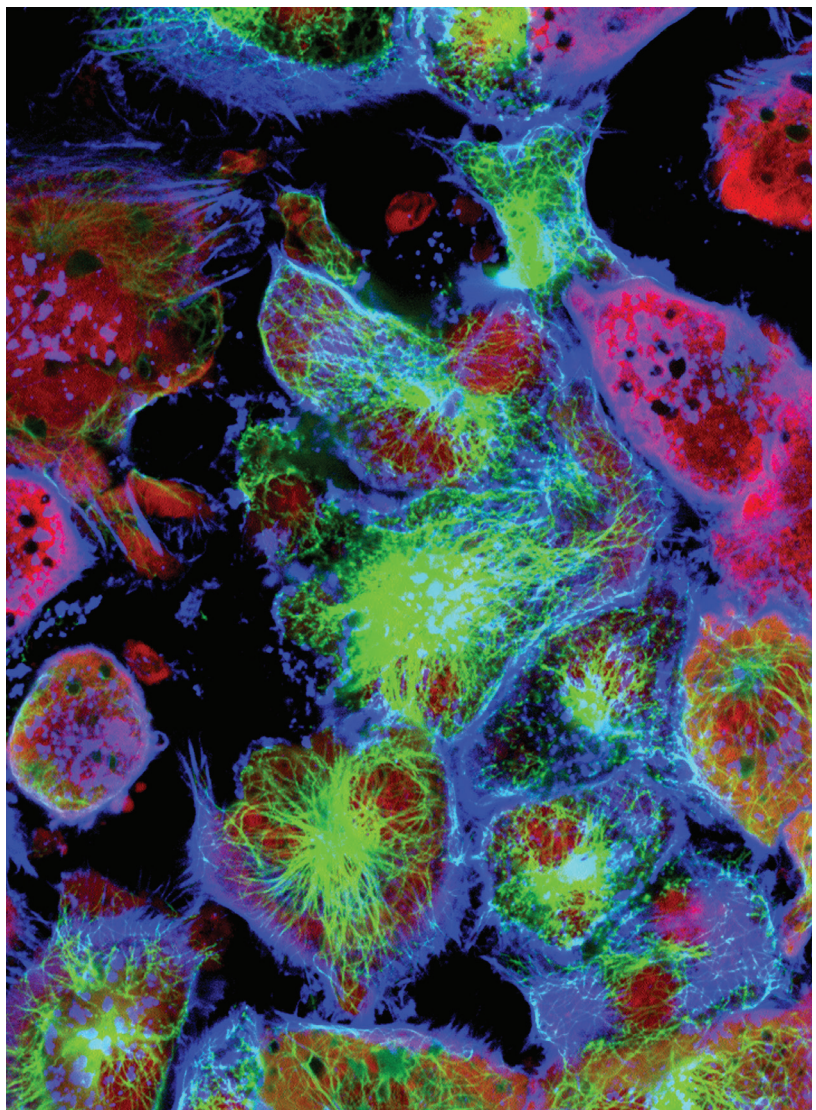


COMPLETE CELL SOLUTIONS

We guarantee
faster delivery

We support you
with technical
service

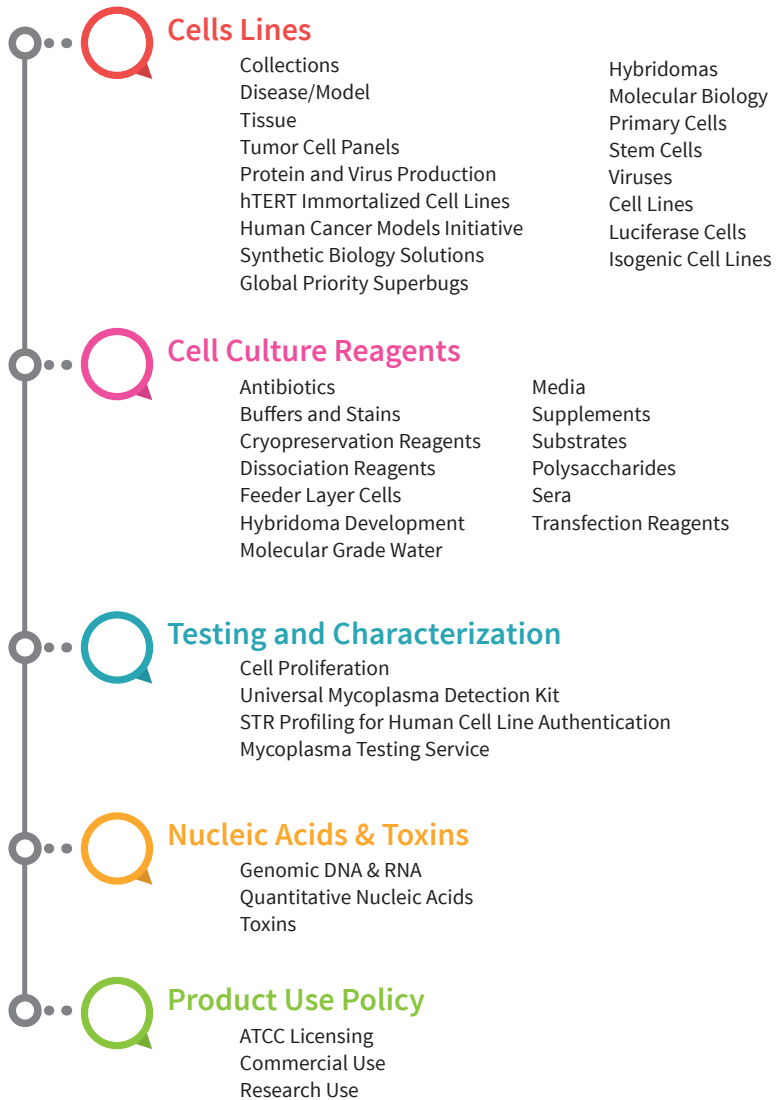
We are now
Authorised
distributor of
ATCC products
and services



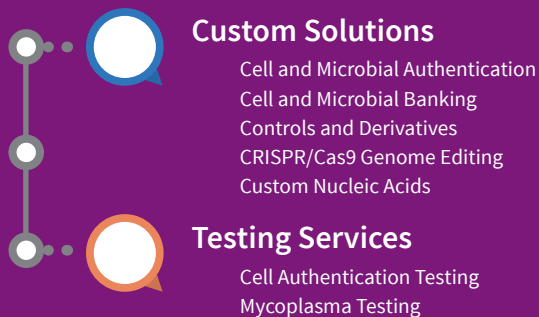
We protect your cells

Cryopreserved cells must be shipped below the glass transition temperature (GTT) of water i.e. below -130°C . Higher temperatures (-80°C) obtained with usage of dry ice cause devitrification and loss of viability. Temperature below -150°C is considered as an ideal temperature for shipping of cryopreserved cells as all the molecular and biological activities cease below this temperature. We ship cells in liquid nitrogen shippers guaranteeing that cells don't cross GTT.

A wide
array of
human,
animal
insect, fish
and stem
cell lines
to choose
from...

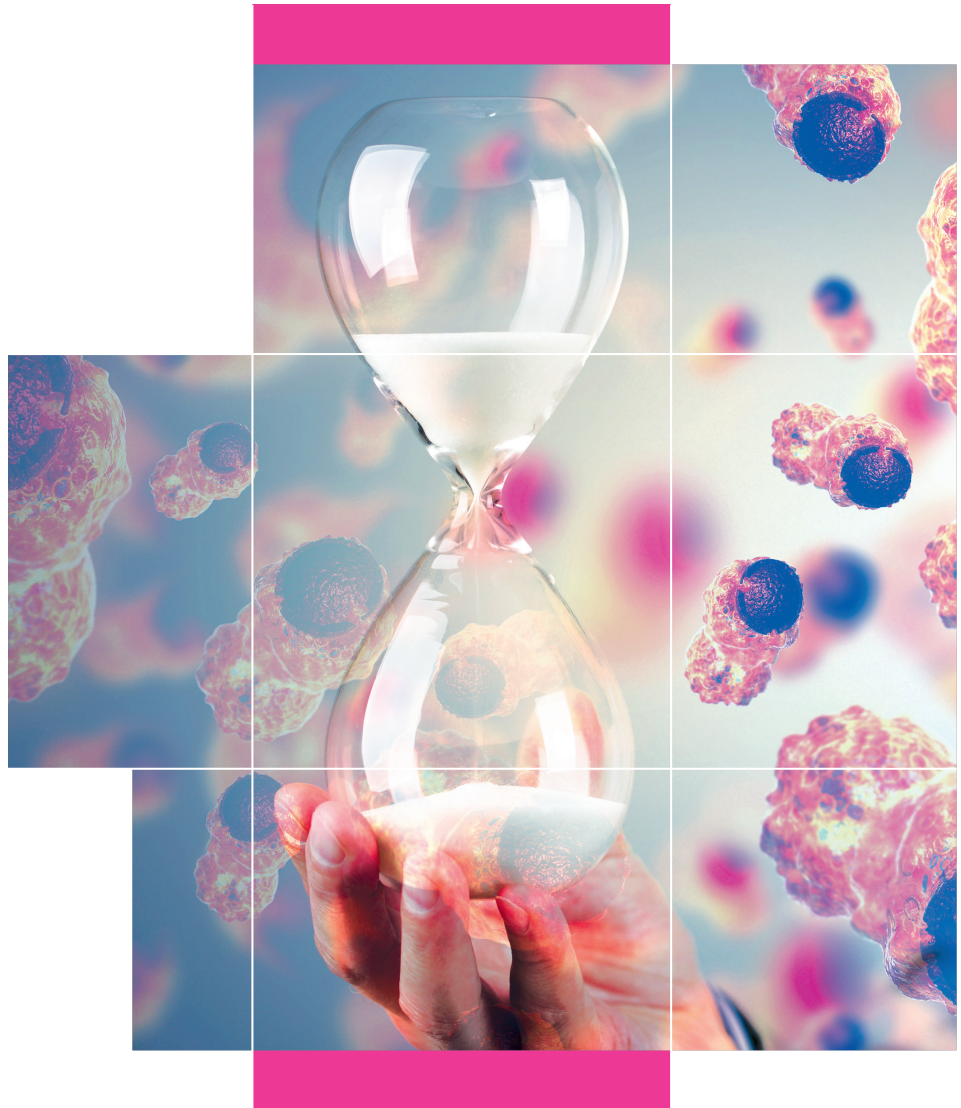


SERVICES



Peripheral Blood Cell Platform

Characterized PBMCs and pure subpopulations for ADCC and reporter assays



More than
90%
viability

Tested
for Mycoplasma, HIV,
HBV, HCV

More than
90%
Pure population

Note : Available in 0.5 million cells/vial T25 cm² flask

We deliver

freshly

isolated

PBMC's in

24 hours

Normal Human PBMCs

Comprehensive portfolio of normal peripheral blood mononuclear cells (PBMCs)

Isolated from healthy donors

Purified Cell Subsets

Ideal for biopharma researchers to perform functional cell based assays

Manufactured using optimized methods to ensure high purity

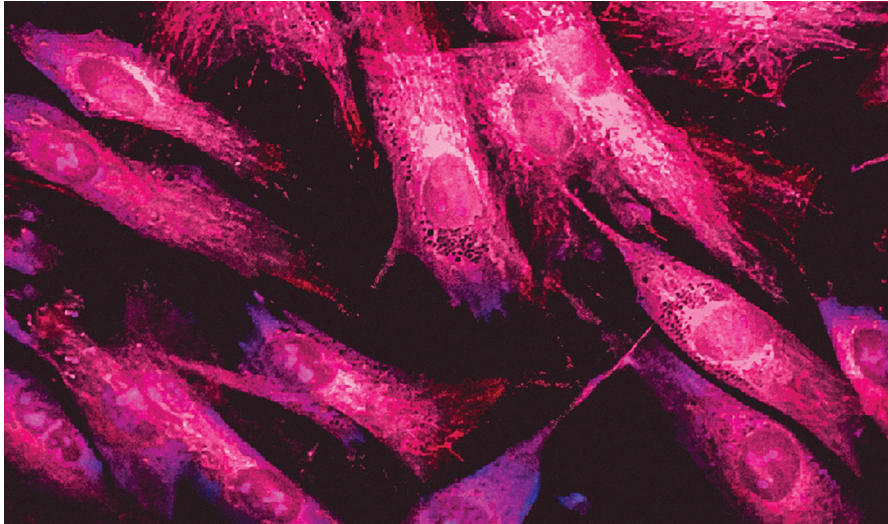
Human Peripheral Blood Mononuclear Cells	
Human Peripheral Blood Mononuclear Cells (PBMC) Single Donor	CL003
Human Peripheral Blood Mononuclear Cells (PBMC) Single Donor, Serum-Free Media	CL047
Human Peripheral Blood Mononuclear Cells (PBMC) Pooled	CL010
Specific Marker Tested	
Human CD56 and CD16 tested PBMC Single Donor	CL027
Human OKT3 tested PBMC Single Donor	CL028
Human CD45 , CD3 , CD8 , CD4 and CD19 tested PBMC Single Donor	CL031
T Cells	
Human CD4+ T cells Single Donor Bead free immunomagnetic positive isolation	CL032
Human CD3+ T cells Single Donor Bead free immunomagnetic positive isolation	CL039
Human CD3+ T cells Pooled Bead free immunomagnetic positive isolation	CL041
Human CD8+ T cells Single Donor Bead free immunomagnetic positive isolation	CL042
NK cells	
Human NK cells Single Donor Bead free immunomagnetic negative isolation	CL033
Dendritic cells	
Human dendritic cells Single Donor Bead free immunomagnetic negative isolation	CL036
Human Monocyte derived dendritic cells Single Donor	CL045
Monocytes	
Human CD14+Monocytes Single Donor	CL044



For Life is Precious



SKIN DERIVED PRIMARY CELLS



Why Choose Us ?

Authenticity

Tissue collection and cell isolation procedures approved by IEC and ICSCR registered at NIH and ICMR

Customization

Customized testing and formats available as per MoA specific assay requirements

Lot reservation

To rule out donor-to-donor variability in cell based assays, an option of lot reservation available.

Qualified Cell Banks

Each cell type is rigorously tested using an extensive array of quality control tests which include cell density, viability, population doublings, marker analysis by immunocytochemistry and / or flow cytometry.

Assured quality

Quality assured cells for quality science

Increased Efficiency

Standard primary cells to speed up your research

Assured flexibility

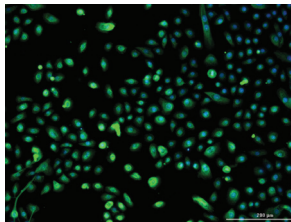
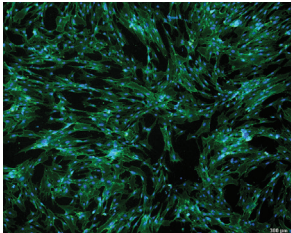
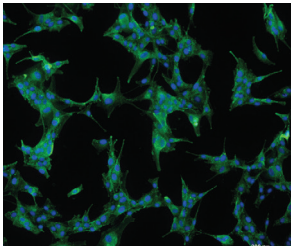
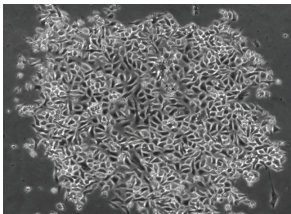
Customized isolation according to need

On time delivery

Despatched as per your schedule

Controlled shipping

Liquid nitrogen shipment for cryopreserved cells

Product Category	Product Name	Product Code	
Keratinocyte Platform	HiFi™ Human Adult Epidermal Keratinocytes (HAEK)	CL006	
	HiFi™ Human Epidermal Keratinocytes from Juvenile Foreskin	CL009	
	HiKeratoXL™ Keratinocyte Expansion Medium, Serum Free	AL524	
Fibroblast Platform	HiFi™ Human Adult Dermal Fibroblasts (HADF)	CL005	
	HiFi™ Human Dermal Fibroblasts from Juvenile Foreskin	CL011	
	HiFibroXL™ Fibroblast Expansion Medium, Reduced Serum	AL525	
	EZXpand™ Human Adult Dermal Fibroblast Culture Kit	CCK027	
Melanocyte Platform	HiFi™ Human Adult Epidermal Melanocytes (HAEM)	CL015	
	HiFi™ Human Epidermal Melanocytes (HEM) from Juvenile Foreskin	CL022	
	HiSep® Melanocyte Isolation Kit	CCK001	
	HiMelanoXL™ Melanocyte Expansion Medium	AL528	
Also Available			
Mammary Epithelial Cell Platform	HiFi™ Human Mammary Epithelial Cells (HMEC)	CL014	
	HiEpiXL™ Mammary Epithelial Cells Expansion Medium	AL529	

HAEC immuno stained with cytokeratin 5-FITC (10X)

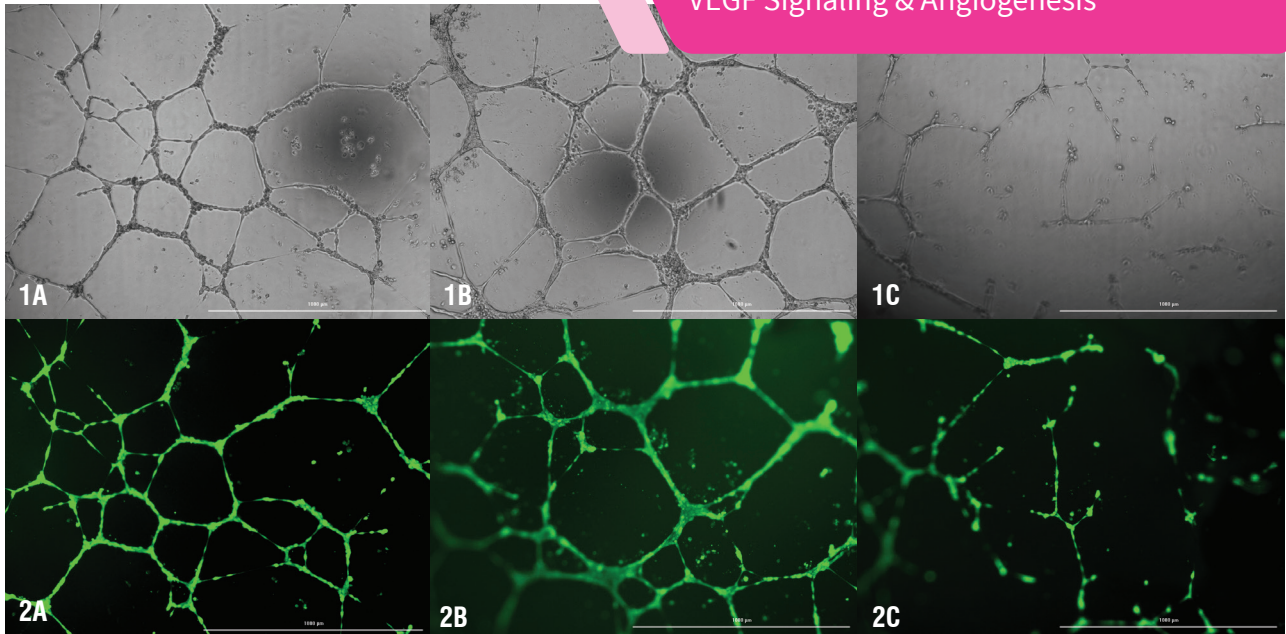
HADF immuno stained with CD90-FITC (10X)

HAEM immuno stained with MEL 5-FITC (10X)

Phase contrast microscopy of HMEC (10X)

ENDOTHELIAL CELL PLATFORM

Pre-screened HUVEC for
VEGF Signaling & Angiogenesis



Morphogenesis of HiFi™ Human Umbilical Vein Endothelial Cells (HUVEC), pre-screened for Angiogenesis

Cells were plated on wells precoated with Extracellular Matrix Gel and grown for 18 hours

1A, 1B, 1C - Tube formation in Untreated, VEGF treated and Angiogenesis inhibitor treated HUVEC - Phase contrast (4X)

2A, 2B, 2C - Tube formation in Untreated, VEGF treated and Angiogenesis inhibitor treated HUVEC stained with Calcein AM (4X)

Qualified for stimulus
dependent Angiogenesis
& key endothelial
signaling for VEGFR
response

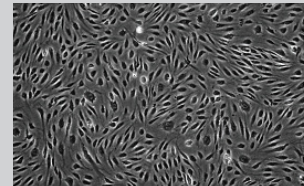
Ready to use cells
for drug response,
Cell migration, Tube
formation and Invasion
assays

Ideal model for
pharmacological
investigation, regenerative
medicine and pathological
stimuli

Product Category	Product Name	Product Code
Prescreened HUVEC	HiFi™ Human Umbilical Vein Endothelial Cells Single Donor	CL037
	HiFi™ Human Umbilical Vein Endothelial Cells Pooled	CL038
HUVEC - VEGF	HiFi™ Human Umbilical Vein Endothelial Cells (HUVEC) Single Donor	CL002
	HiEndoXL™ Endothelial Cell Expansion Medium, Reduced Serum	AL517
HUVEC - Non-VEGF	HiFi™ Human Umbilical Vein Endothelial cells (HUVEC) Single Donor	CL019
	HiEndoXL™ Endothelial Cell Expansion Medium, Reduced Serum	AL530
HUAEC	HiFi™ Human Umbilical Artery Endothelial cells (HUAEC)	CL017
Dissociation Solutions	EnVzyme™ Easy	TCL137
	Trypsin Inhibitor from Soyabean 1X, Liquid	TCL068
Attachment Solutions	Gelatin Solution 0.5%	TCL109
	Gelatin Solution 2%	TCL059

Think one level
up of predictive
result.

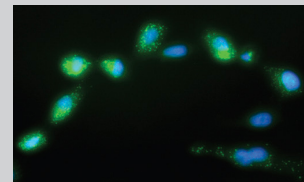
Think our
primary cells.



Phase contrast microscopy of HUVEC (10X)

Tested for

- Post-thaw viability > 80%
- Characterized by marker expression of CD31+ and vWF by FACS and immunocytochemistry
- Sterility tested



HUVEC immuno stained with vWF-FITC (10X)

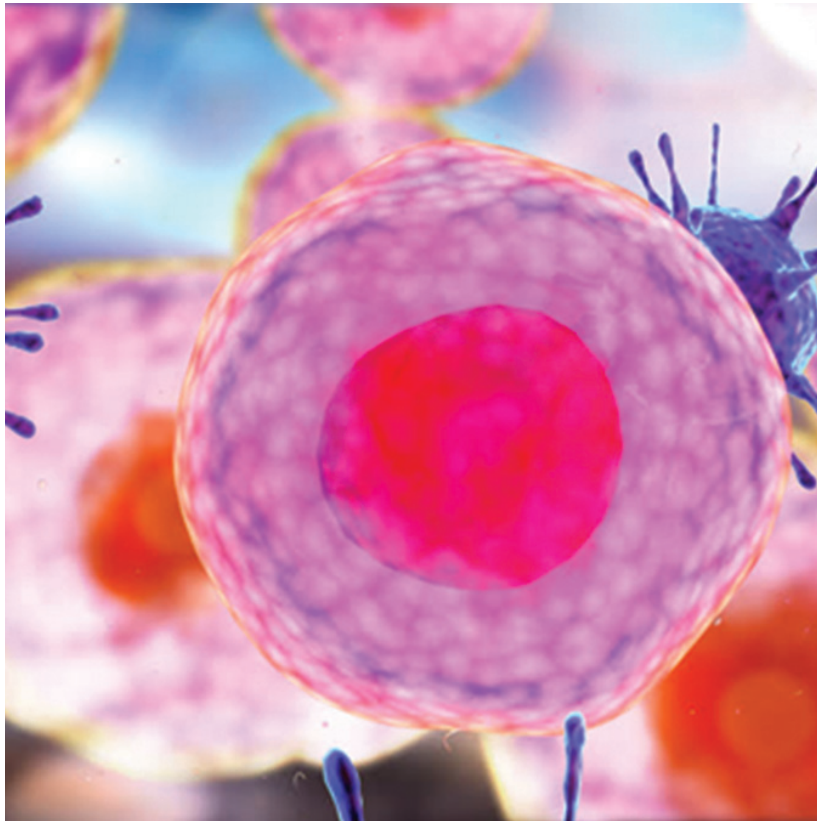
Ideal in vitro model to study

- Angiogenesis
- Inflammation
- Microtubular information
- Athero and arteriosclerosis



For Life is Precious





Why HiFi™ Cells?

Indian genetic pool

Conform to standards recommended by ISCT

Cells pooled from 2-3 different donors available

24 x 7 technical support

Cells insured

Shipped in liquid nitrogen

STEM CELL PLATFORM

ETHICAL APPROVAL

All products and procedures related to human stem cells and primary cells have been reviewed and approved by Institutional Ethics Committee (IEC)* and Institutional Committee for Stem Cell Research (IC-SCR)#

* DCG(I) Reg. No. - ECR/165/Indt/MH/2014/RR-17

* FWA Reg. No. 00020203

* IRB Reg. No. 00008839

NAC-SCRT Reg. ID. - NAC-SCRT/29/20131912

Customized projects by ART

Our advanced research team (ART) is well trained in developing optimised media for tailor made requirements

Product Category	Product Name	Product Code
Cells	HiFi™ Human Wharton's Jelly Mesenchymal Stem Cells (HWJ-MSC)	CL001
	HiFi™ Human Adipose Derived Mesenchymal Stem Cells (HAD-MSC)	CL007
	HiFi™ Human Dental Pulp Stem Cells (HDP-SC)	CL008
Expansion Media	HiMesoXL™ Mesenchymal Stem Cell Expansion Medium	AL512
	HiMesoXL™ Mesenchymal Stem Cell Expansion Medium, Reduced Serum	AL519
MSC Qualified Sera	Fetal Bovine Serum, EU Approved	RM10435
	Fetal Bovine Serum, EU Approved	RM10832
	Fetal Bovine Serum, USDA Approved	RM10845
	Fetal Bovine Serum, Australia origin	RM10846
	Fetal Bovine Serum, US origin	RM10938
Cell Culture Kits	EZXpand™ Human Adipose-derived Mesenchymal Stem Cell Culture Kit	CCK024
	EZXpand™ Human Wharton's Jelly derived Mesenchymal Stem Cell Culture Kit	CCK025
Differentiation Media	HiAdipoXL™ Adipocyte Differentiation Medium	AL521
	HiOsteoXL™ Osteocyte Differentiation Medium	AL522
	HiChondroXL™ Chondrocyte Differentiation Medium	AL523
Differentiation Supplements	HiAdipoXL™ Adipocyte Differentiation Supplement	TCL167
	HiOsteoXL™ Osteocyte Differentiation Supplement	TCL168
	HiChondroXL™ Chondrocyte Differentiation Supplement	TCL169
Differentiation Media for preadipocytes	HiAdipoXL™ Adipogenic Differentiation Medium for 3T3-L1 cells	AL537
Differentiation Kits	HiDiff™ Adipogenesis Assay Kit	CCK011
	HiDiff™ Osteogenesis Assay Kit	CCK049
Staining Kits	EZstain™ Adipocyte Staining Kit	CCK013
	EZstain™ Chondrocyte Staining Kit	CCK029
	EZstain™ Osteocyte Staining Kit	CCK030
Freezing Medium	CryoXL™ Stem Cell Freezing Medium	TCL107

Sera for Cell Culture



Choose
the Right
Sera
Research Grade
Or Sure™ Series of
Premium FBS

Product Listing

Product Category	Treatment	Origin
Research Grade FBS	Sterile filtered	South American
	Heat Inactivated, Sterile Filtered	US
		USDA Approved
Sure™ Series of Premium Grade FBS	Sterile filtered	South American
	Heat Inactivated, Sterile Filtered	US
	Gamma Irradiated, Sterile Filtered	Australian New Zealand
Mesenchymal Stem Cell Tested Sera	Sterile filtered	EU Approved
		USDA Approved
		Australia
		US
Hybridoma Tested Sera	Sterile filtered	EU Approved
		US
Charcoal treated	Sterile filtered	EU Approved
ES Cell tested	Sterile filtered	EU Approved
Dialyzed	Sterile filtered	-
Tetracycline negative	Sterile filtered	EU Approved
Iron supplemented	Sterile filtered	-
Iron supplemented	Sterile filtered, Heat Inactivated	-
Adult Bovine Sera	Sterile filtered	-
	Sterile filtered, Heat Inactivated	-
New Born Calf Sera	Sterile filtered	-
	Sterile filtered, Heat inactivated	-
	Sterile filtered, Gamma irradiated	-
	Sterile filtered, Iron supplemented	-
	Sterile filtered	New Zealand
Horse Serum	Sterile filtered	-
	Sterile filtered, Heat Inactivated	-
	Sterile filtered, Gamma Irradiated	-
Pig Serum	Sterile filtered	-
Rabbit Serum	Sterile filtered	-
Sheep Serum	Sterile filtered	-
Goat Serum	Sterile filtered	-
Chicken Serum	Sterile filtered	-
Rat Serum	Sterile filtered	-
Mouse Serum	Sterile filtered	-

NuSera™

Serum Replacement Solution

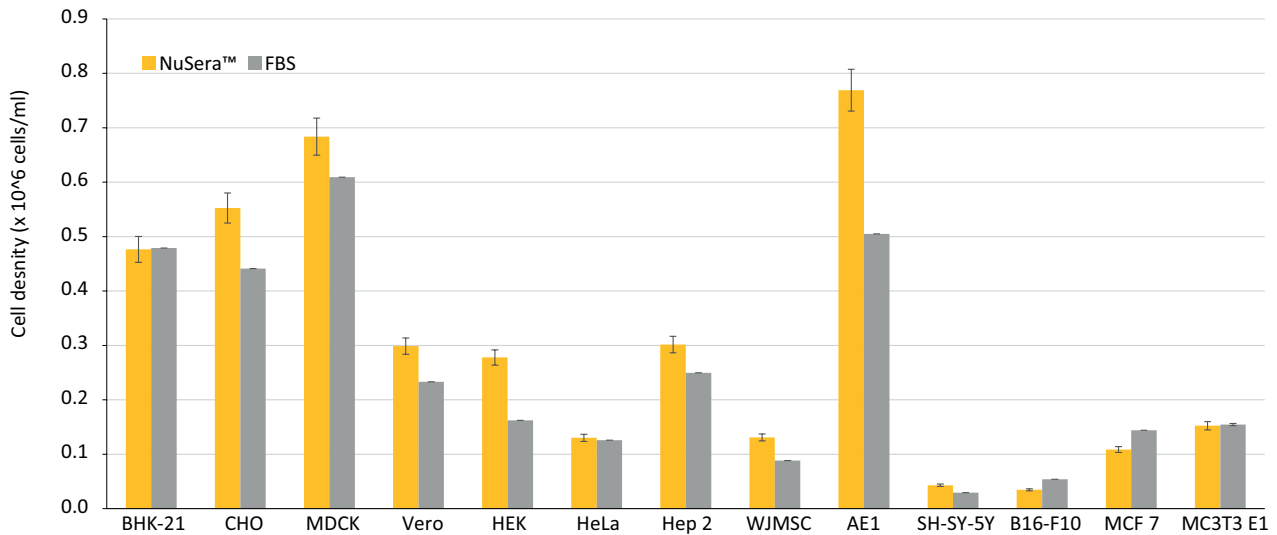


10 % of NuSera™
is equivalent
to 10% Fetal
Bovine Serum
in the basal
medium at 30%
cost reduction



WE CARE

Buy One bottle of NuSera &
You Save Two Fetuses



Comparative performance of NuSera™ and FBS tested on 13 different cell lines

Each cell line was seeded in 96 well plates at a fixed cell density and the plates were incubated at 37°C, 5% CO₂ for 96 hours. Cell density was determined after each 24 hours using an automated multimode imaging reader Cytation 5.



NuSera™ OFFERS YOU THE FOLLOWING BENEFITS

01

Improved cell growth

02

Lot to lot consistency

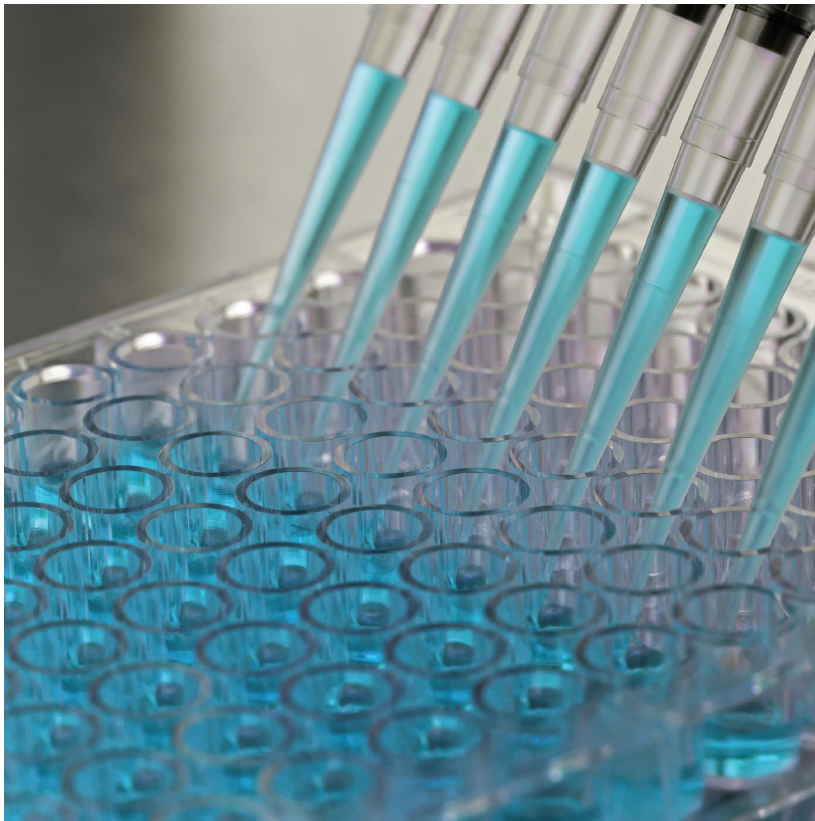
03

IgG level same as FBS

04

Low endotoxin & hemoglobin

Product Listing	Code	Packing
NuSera™ Serum Replacement Solution Sterile filtered	TCL280-500ML	500ml



DRUG DISCOVERY

Drug Screening • Toxicity Testing

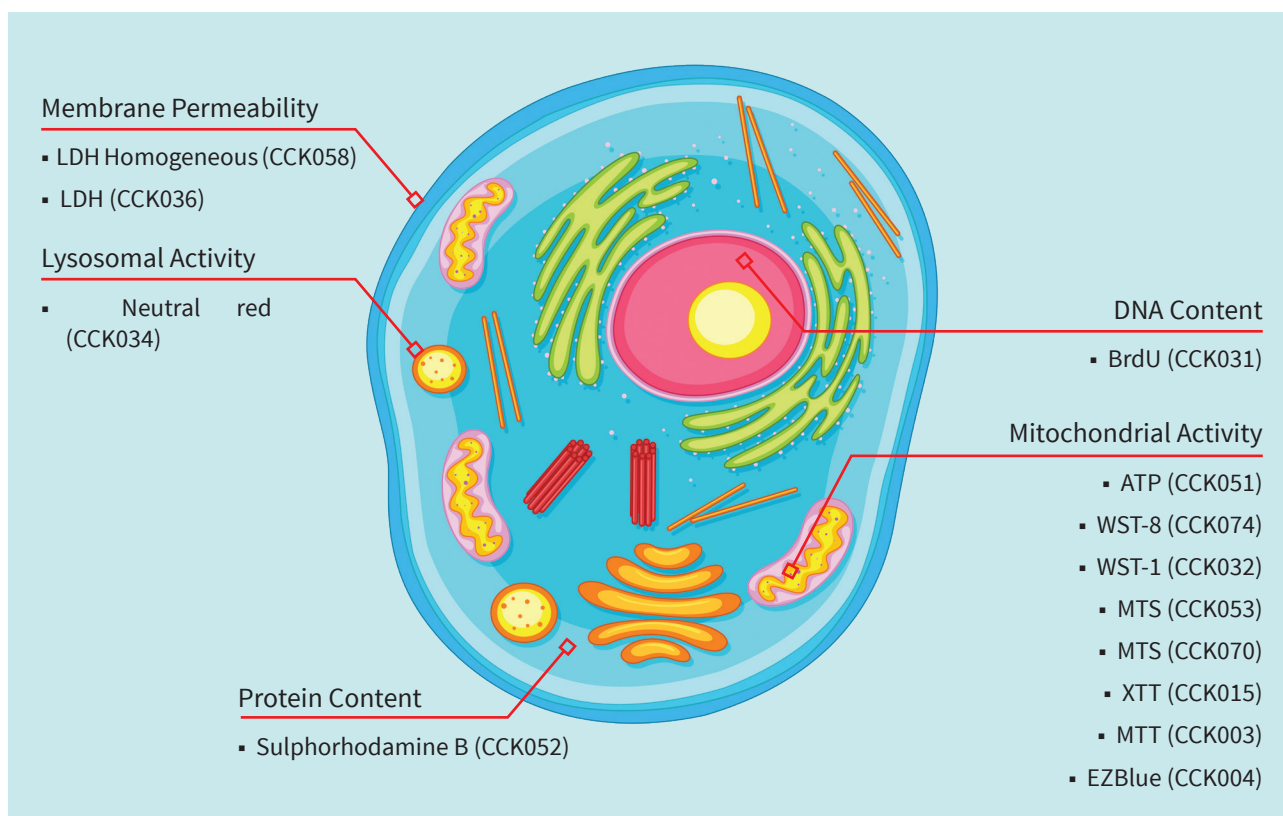
Portfolio offering high throughput screening for versatile applications like drug discovery and assay screening live monitoring of cell activity, cell proliferation and toxicity testing & basic research.

Cell based
assay screening
& Custom assay
development
services

Cell based
assays for
determination
of
proliferation &
cytotoxicity for
investigating
an array
of cellular
mechanisms

Cell Proliferation and Cytotoxicity Assay Kits

*EZcount™ BrdU Cell Assay Kit	CCK031
*EZcount™ ATP Cell Assay Kit	CCK051
*EZcount™ WST-8 Cell Assay Kit	CCK074
*EZcount™ MTS Cell Assay Kit	CCK053
*EZcount™ MTS Homogenous Cell Assay Kit	CCK070
*EZcount™ XTT Cell Assay Kit	CCK015
EZcount™ MTT Cell Assay Kit	CCK003
EZBlue™ Cell Assay Kit	CCK004
EZcount™ Neutral Red Cell Assay Kit	CCK034
EZcount™ Sulphorhodamine B Cell Assay Kit	CCK052
*EZcount™ Lactate Dehydrogenase Cell Assay Kit	CCK036
*EZcount™ LDH Cell Assay Kit, Homogeneous	CCK058
*EZcount™ G6PD Cell Assay Kit	CCK069



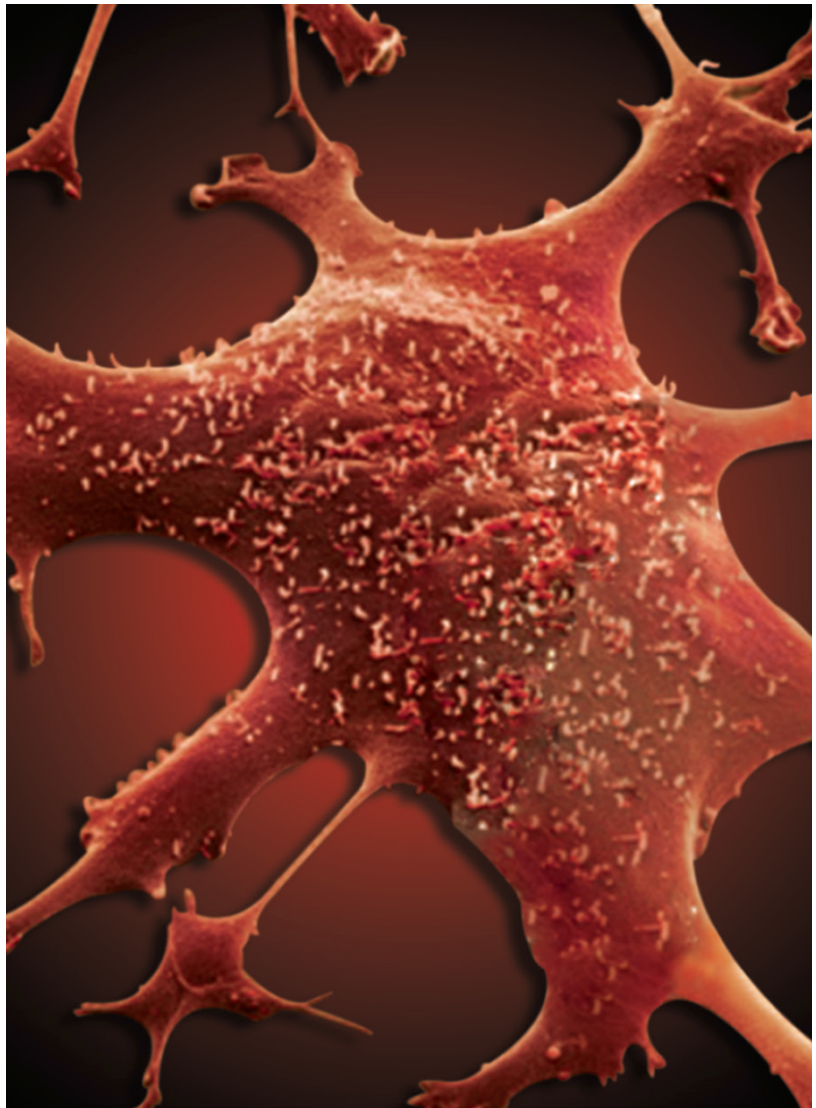
MYCOPLASMA SOLUTIONS

“MYCOPLASMA A THREAT...”

Erroneus result of cell
based assays

Reduced reproducibility
of experiments

Decreased productivity
of your cell lines



**“Test your
cultures
before they
test your
patience”**

WANT TO PUBLISH YOUR RESULTS IN A HIGH IMPACT JOURNAL

15 - 35% continuous cell lines, 5% early passage cell cultures, 1% primary cell cultures are infected with Mycoplasma.

Regular testing is a recommendation and a mandatory requirement of many reputed journals.

DETECTION TOOLS

For detection of the most common Mycoplasma contaminants.

Code	Name
CCK009	EZdetect™ PCR kit for Mycoplasma detection Based on 16S-23S rRNA spacer region

Detects *M. hominis*, *M. fermentans*, *M. hyorhinitis*, *M. neurolyticum*, *M. orale*, *M. pirum*, *M. pulmonis*, *M. salivarium*, *M. urealyticum*

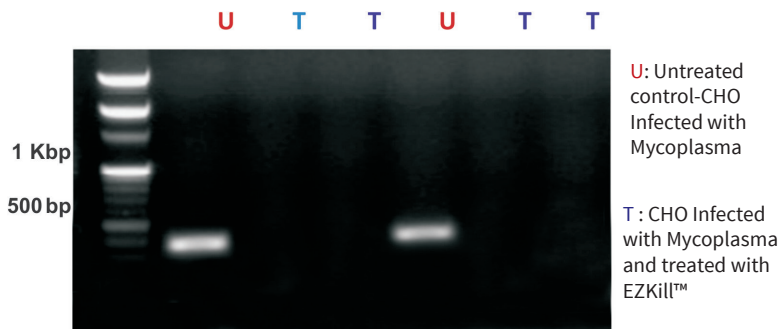
CCK022	EZdetect™ PCR kit for Mycoplasma detection Based on 16S rRNA sequence
--------	--------------------------------------------------------------------------

Detects *M. arginini*, *M. bovis*, *M. fermentans*, *M. orale*, *M. hyorhinitis*, *M. hominis*, *A. laidawii*

ELIMINATION TOOL

Ready-to-use antibiotic based kit for Mycoplasma elimination

CCK006	EZkill™ Mycoplasma Elimination Kit
--------	------------------------------------



HIMEDIA®

For Life is Precious

**MYCOPLASMA
CUSTOM
SERVICE**

Don't have time and resources. We will test your cultures for you. Choose your preferred method...

01
Direct culture
method

02
Indirect Staining
method

03
Detection by
PCR



Cytokines & Growth Factors

Purity

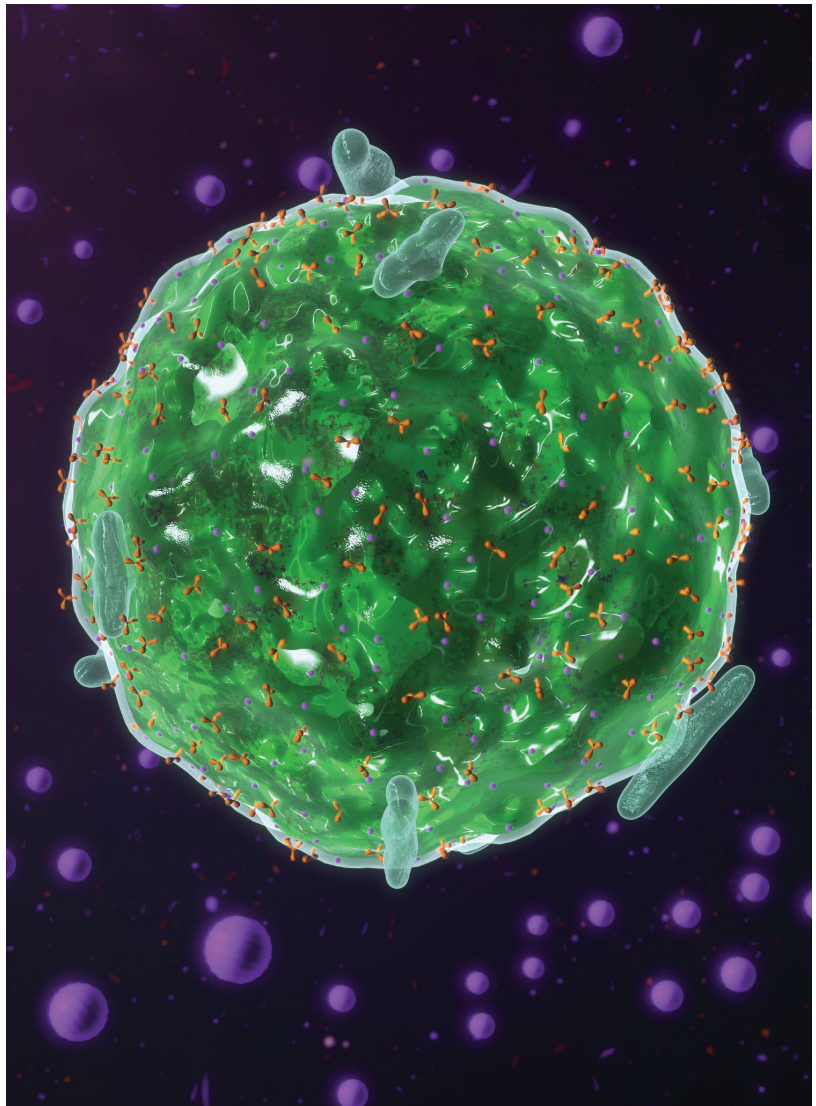
>= 95% tested by SDS-PAGE and HPLC analysis

Endotoxin Test

Low endotoxin levels - less than 1 EU/ μ g

Biological activity

Determined by cell specific proliferation assay and expressed in terms of ED50 and specific activity



TGF- β superfamily

IL Family

TNF Superfamily

FGF Family

IGF Family

EGF Family

EPO/TPO Family

Stem Cell Factors

And many more..

Available
in multiple
pack sizes -

2 μ g,

10 μ g,

50 μ g,

100 μ g

Bulk pack available
on request

Enquire for
bulk rate

Cytokines by Applications

Hematopoietic Stem Cell Research

Product	Species	Source	Code
TNF- α	Human	E. coli	TC313
G-CSF	Human	E. coli	TC316
	Murine	E. coli	TC322
GM-CSF	Human	E. coli	TC315
	Murine	E. coli	TC321
IL-3	Human	E. coli	TC361
	Murine	E. coli	TC479
IL-6	Human	E. coli	TC364
	Murine	-	TC481
SCF	Human	E. coli	TC333
	Murine	E. coli	TC334
M-CSF	Human	E. coli	TC317
	Murine	E. coli	TC323
TPO	Human	E. coli	TC495
	Murine	E. coli	TC590
EPO	Human	-	TC494
Fit3-Ligand	Human		TC496

Pluripotent Stem Cell Research

Product	Species	Source	Code
Activin A	Human	E. coli	TC542
FGF-basic	Human	E. coli	TC290
BMP-2	Human	E. coli	TC335
BMP-4	Human	E. coli	TC337
PDGF-BB	Human	E. coli	TC294
	Murine	E. coli	TC328
BMP-2	Human	E. coli	TC335
BMP-4	Human	E. coli	TC337
SCF	Human	E. coli	TC333
	Murine	E. coli	TC334
TGF- β 1	Human	HEK293	TC298
		CHO	TC299
	Murine	-	TC483
LIF	Human	E. coli	TC499
	Murine	E. coli	TC528
VEGF	Human	E. coli	TC291
	Murine	E. coli	TC427

Immunology Research

Product	Species	Source	Code
TNF- α	Human	E. coli	TC313
G-CSF	Human	E. coli	TC316
	Murine	E. coli	TC322
IFN-g	Human	E. coli	TC423
	Murine	E. coli	TC451
IL-1 α	Human	E. coli	TC360
IL-1 β	Human	E. coli	TC363
IL-2	Human	E. coli	TC366
IL-3	Human	E. coli	TC361
	Murine	E. coli	TC479
IL-4	Human	E. coli	TC362
	Murine	-	TC480
IL-6	Human	E. coli	TC364
	Murine	-	TC481
IL-7	Human	E. coli	TC365
IL-11	Human	E. coli	TC635
GM-CSF	Human	E. coli	TC315
	Murine	E. coli	TC321

Neurobiology Research

Product	Species	Source	Code
BMP-2	Human	E. coli	TC335
BMP-4	Human	E. coli	TC337
TGF- β 1	Human	HEK293	TC298
		CHO	TC299
	Murine	-	TC483
FGF-basic	Human	E. coli	TC290
EGF	Human	-	TC228

Mesenchymal Stem Cell Research

Product	Species	Source	Code
FGF-basic	Human	E. coli	TC290
PDGF-BB	Human	E. coli	TC294
	Murine	E. coli	TC328
BMP-2	Human	E. coli	TC335
BMP-4	Human	E. coli	TC337
TGF- β 1	Human	HEK293	TC298
		CHO	TC299
	Murine	-	TC483
TGF- β 3	Human		TC309
		E. coli	TC310
IGF-I	Human	E. coli	TC300
	Murine	E. coli	TC254

Vascular Biology Research

Product	Species	Source	Code
VEGF	Human	E. coli	TC291
	Murine	E. coli	TC427
TNF- α	Human	E. coli	TC313
IL-1 α	Human	E. coli	TC360
IL-1 β	Human	E. coli	TC363
IL-4	Human	E. coli	TC362
	Murine	-	TC480
IFN-g	Human	E. coli	TC423
	Murine	E. coli	TC451



For Life is Precious



Multicompendial Biochemicals

- Biochemicals Meeting Pharmacopoeial Testing Specifications

Safe
Reliable
Traceable

Quality Matters !

Cell Culture Grade
Chemicals

Multicompendial
Biochemicals

HiMedia is one of the leading suppliers of comprehensive range of chemicals & speciality chemicals, which apart from analytical testing undergo cell culture test to verify their suitability in cell culture application.

We provide a series of multicompendial Biopharmaceutical grade chemicals.



Amino Acids



Cryopreservatives



Bio Chemicals &
Components



Antibiotics



Vitamins



Detergents



Carbohydrates



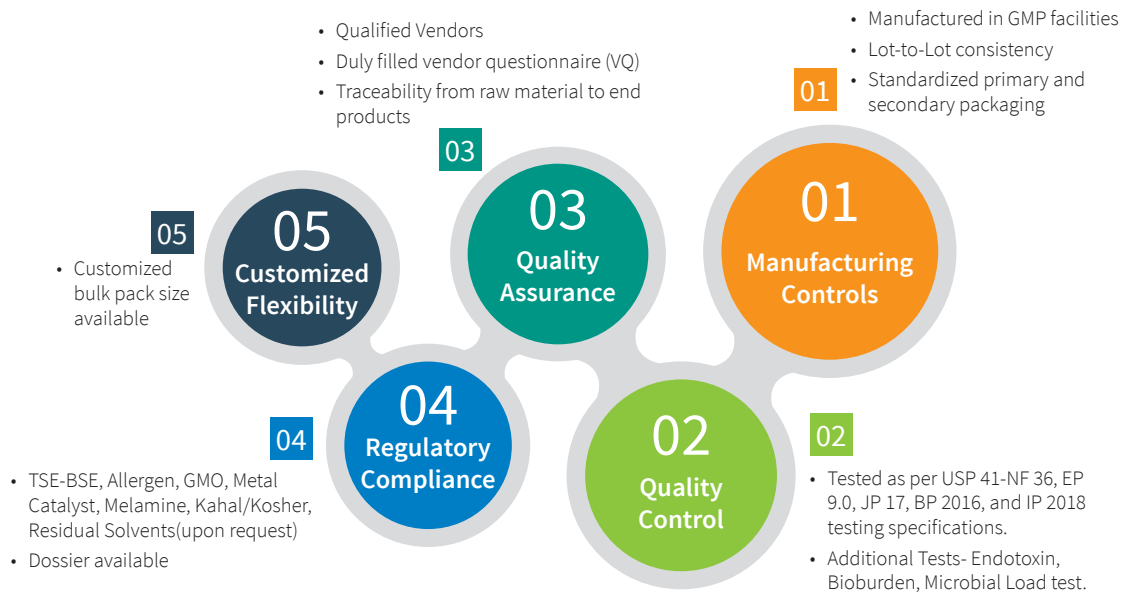
Biological Buffers

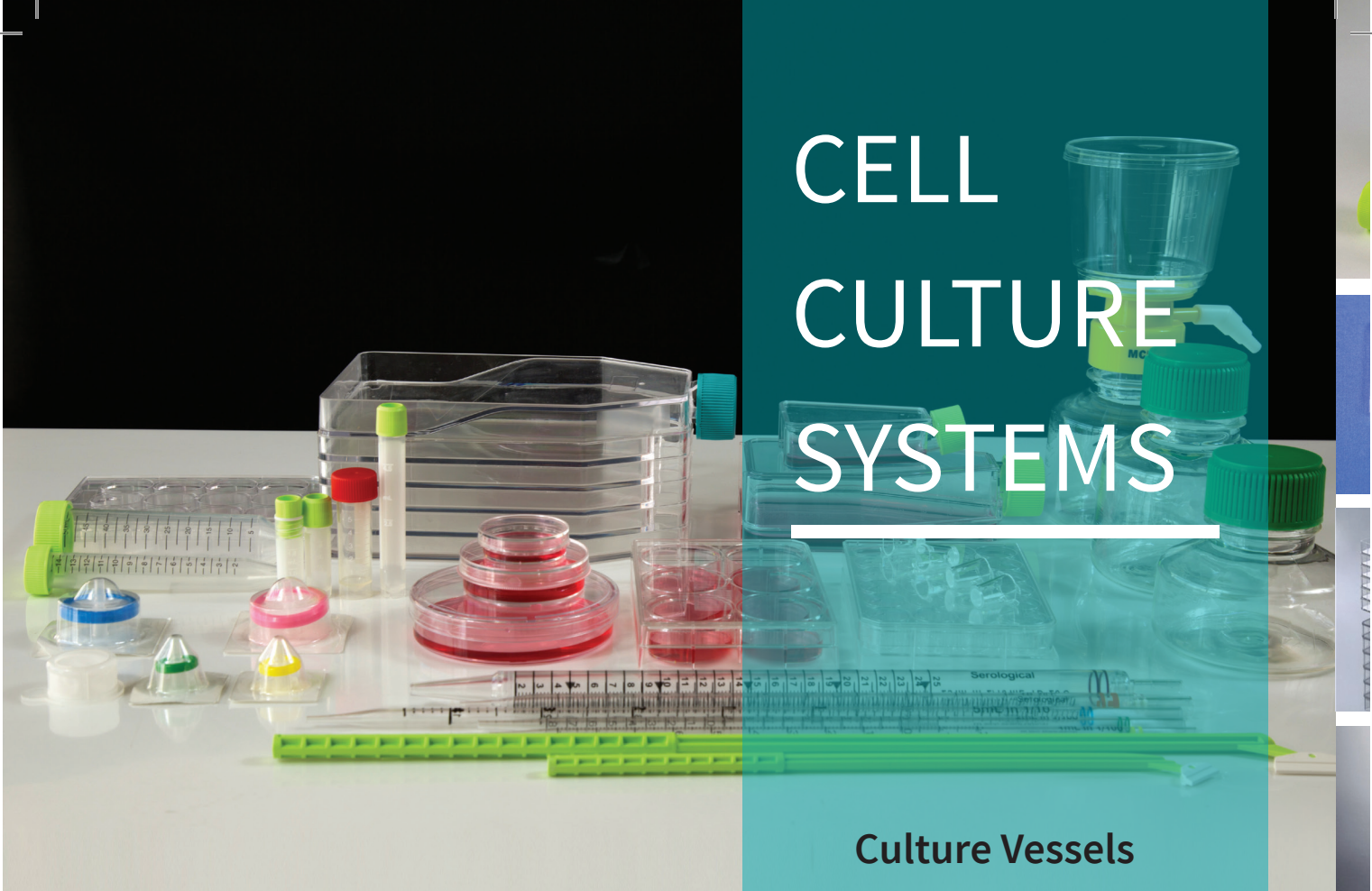
Vaccine
Manufacturing

Biosimilar &
Biomolecular
Production

Excipients

Process
Intermediates





CELL CULTURE SYSTEMS

Culture Vessels

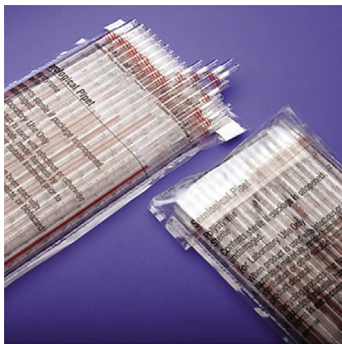
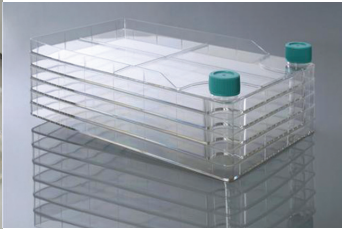
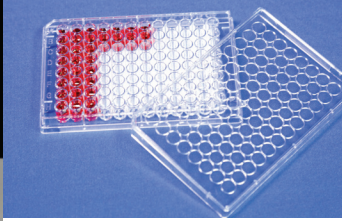
Liquid Handling

Cryogenic Storage

Solution Storage

Accessories

Multiply
Modulate
&
Maintain Cells



Store

Cryovials
Freezing tubes
PET bottles
Solution bottles
Polycarbonate bottle
Conical centrifuge tubes

Culture

Tissue culture flasks
Tissue culture dishes
Multiwell plates
Erlenmeyer flasks
Roller bottles
HiFactory™
5-layer cell culture flasks
Insect breeding dishes

Support

Cell scraper & lifters
Serological pipettes
Serological mini-pipettes
Auto HiPipette™

Analyze

Tissue culture multi-well plates
Cell culture inserts
Coverglass bottom dishes
Cell strainers

Detect

Cover slips
Chamber slides
Multi-well plates
Culture dishes

PET & PETG Bottles



**All-in-One Solution for Storage of Tissue Culture Media,
Sera, Buffers, Reagents & Aqueous solutions**

Choose Best. Choose Us.

Because we value your samples just as much as you do

01

STRINGENT INSPECTION AND TESTING

- ASTM standard D4991-07'
- Sterility Assurance Level (SAL) of 10-6

03

INDIVIDUALLY PACKED

- For easier identification and easy opening linear tear.
- Applicable to product code: TCP269I, TCP270I, TCP271I and TCP272I.

05

STACKABILITY

- Shrink-wrapped tray pack allows maximum storage and shipping space.

02

LEAK-PROOF & LEACH-PROOF SYSTEM

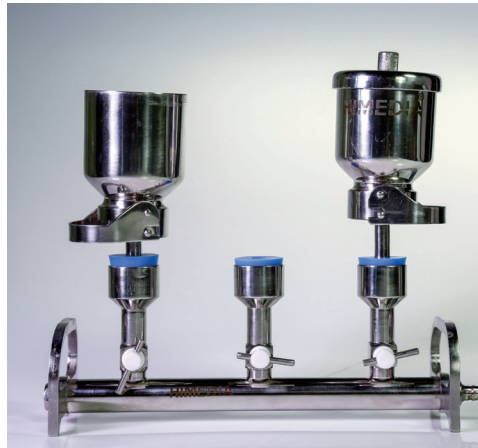
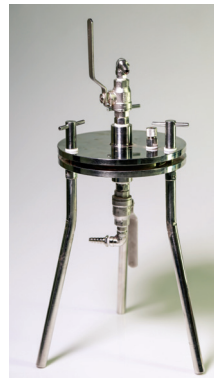
- Free (ADCF) virgin resins

04

VOLUME CAPACITY

- Four volume capacities available 125ml, 250ml, 500ml and 1000ml





**Filtration
Membranes**

**Syringe
Driven Filters**

**Glass Fibre
Pre-Filters & Filter
Papers**

**Blotting
Membranes**

**Vacuum Driven
Filters**

FILTRATION SOLUTIONS

Secure what Matters to You !!!

We have the right solution for your application, whether you need to separate and concentrate proteins and other biomolecules or collect and remove contaminants from air or liquid samples prior to downstream analysis.

Filter Holders

**Stainless Steel
Sterility Test
Manifold Systems**

Vent Filters



AI0014

HiFlo™ Pump

Maximise your workspace environment by eliminating the need for separate manifold, vacuum pump and excess tubing and improve operation time

- Save 70% bench space
- Easy Operation & Versatile
- Compatible with HiMedia SS/PP/PSU funnel

Peristaltic Pump

- Accurate & User-Friendly Self Priming
- Rugged PWM based DC motor Drive
- Switches for ON/OFF, Auto/Manual, Direction reversal functions Occlusion adjustable Spring-loaded Pump Head
- Complied with CE requirement



AI0112

Cellix[®]

CO₂ INCUBATOR



Dry wall and Air jacketed

Direct heating system on 6 sides

Alarm system

Perforated shelves

Dual beam IR CO₂ sensor

No condensation

Our Co₂ Incubators are home for your Happy Cells.

They provide your cells with dependable, controlled and protected environment with consistency and ease.

Specifications

Model		AI005	AI006
Volume (L)		42	180
Temperature (°C)	Range	Ambient (+5 to +60)	
	Accuracy	± 0.1°C (37°C)	
	Resolution	0.1°C	
	Control	Digital PID	
CO ₂	Range	0% ~ 20%	
	Accuracy	±0.1% (5% CO ₂)	
	Resolution	0.1%	
	Sensor	IR CO ₂ Sensor	
	Control	Microprocessor	
Inlet Pressure Range		0.5 - 0.6bar	0.6 - 0.7bar
Display		LED Display	
Operating Panel		Individual 2 Channel Touch Button	
Jacket Type		Dry Wall Type (6 sides heat)	
Chamber Material		Stainless Steel (304)	
Number of Shelves		2 (max shelves 4)	3 (max shelves 8)
Chamber Dimensions (mm)		320 x 350 x 370	473 x 528 x 710
Overall Dimensions (mm)		408 x 482 x 550	560 x 665 x 945
Weight (kg)		35	78



Bringing
clarity
in your
investigations

IRIS™

IRISFLO™

Specifications

Model	AI003 - Phase Contrast	AI004 - Phase contrast + Fluorescence
Dimensions (Height x Width x Depth)	500mm x 230mm x 535mm	495mm x 250mm x 730mm
Contrasting Techniques	Bright-field Phase Contrast	Bright-field Phase Contrast Fluorescence B : EX 460-490, DM 500, EM 520LP Fluorescence G EX 480-550, DM 570, EM 590LP
Illumination		
Light Source	: X-LED [®] with 8W LED	
Colour Temperature	: 6300K	
LED Life	: 50000h	
Voltage	: 110/240Vac, 50/60Hz, 1A Fuse : T500mA 250V	
Max Power Required	: 13W	
Objective Options	Infinity Corrected Optical System (IOS) with Plan-achromatic Objectives Anti-fungal Treatment	
Normal Objectives	: Plan-achromatic LWD 4X, N.A. 0.10, W.D. 18,0 mm : Plan-achromatic LWD 40X, N.A. 0,60, W.D. 2,6 mm	
Phase Objectives	: Plan-achromatic LWD 10XPh, N.A. 0.25, W.D. 10,0 mm : Plan-achromatic LWD 20XPh, N.A. 0.40, W.D. 5,1 mm	
Stage	Fixed Stage 250mm x 160mm Glass Stage Insert with Hole for Small Dimension Specimens Optional* Mechanical Stage Mountable on the Right Side of the Stage, Total Dimension = 250mm x 230mm, X-Y Translation Range 120mm x 80mm, with Metallic Interchangeable Inserts for Slides, Petri Dishes, Terasaki, Multi-well Plates etc. Pair of Side Extensions to Expand the Surface of the Stage	
Eyepieces	Wide Field Eyepieces EWF10X/22 with Field Number 22	
Condenser	LWD Condenser, N.A. 30, Working Distance 72mm The Condenser can be Removed to Extend the Working Distance up to 150mm Pre-centered Slider with Phase Ring 10X/20X	
Nose-piece	Quintuple Revolving Nose-piece, Rotation on Ball Bearings	

**Long life
LED
illumination
(50000 hours)**

**Excellent optics
with high
numerical aperture**

**Ergonomic
controls for ease
of use**

**Inbuilt photo
ports for capturing
images and live
videos**



For Life is Precious



CASY

NO LIMITS

CASY counts

Mammalian

Cells,

Bacteria

&

Yeast



CASY TT

20 cell specific setups

Separate control panel with graphical display

ASCII data format

CASYworX PC software

GLP compliant

CASY TTC

GLP/GMP compliant

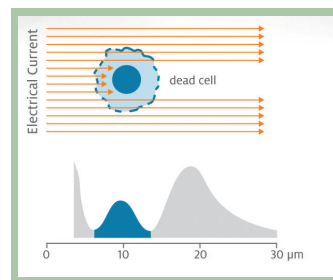
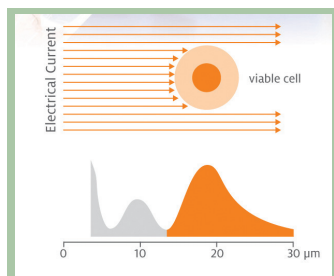
21 CFR Part 11 compliant

Full audit trails

3 different user levels

Specifications

Measurement principle	Electronic pulse area analysis with 1 million measurements per second acc. to ISO 13319
Viability determination	Electrical Current Exclusion (ECE)
Dynamic range	in volume > 1:70,000 in diameter > 1:40
Measured size channels	512,000
Displayed size channels	1,024 (TTC); 400 (TT)
Measurement range	0.7–120 µm
Volume Resolution	1 in 512,000
Typical analysis time	10 seconds
Typical sample volume	5 –100 µl
Interfaces	TT: RS 232 (2xDB9), Parallel (DB25), TTC: RS 232 (2xDB9), TCP/IP (RJ45), USB (3x), Compact flash memory card



Cell Aggregation

Accurate total cell count includes aggregates

Cell Viability

Cell viability is determined by quantitatively comparing viable cells with dead cells

Statistically relevant data

Analysis of more than 4,000 cells per run enables statistically significant results

Label-free cell status, instantly

Within seconds, measurement is performed non-invasively without using distorting dyes

HIMEDIA®

For Life is Precious



CERO

A benchtop Incubator & Bioreactor



NO LIMITS

CERO grows

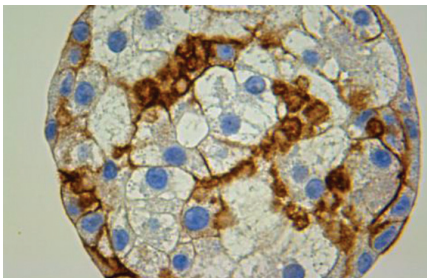
Spheroids

Organoids

iPS Cells

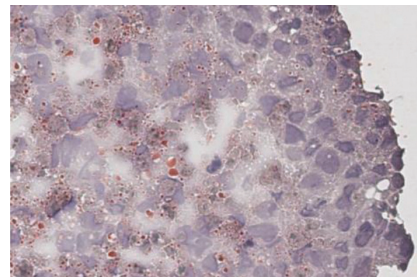
&

Primary Cells



Hepatocyte Spheroid

CAIX as hypoxia marker, hepatocytes undergoing hypoxia (brown)



Spheroid cryo-section (4µm)

Sudan Red staining. Red: fat deposits generated by hepatocytes.

CERO. A Significant Gain for Your Research

01

CONVENIENT, SIMPLE PROCESS

High cell yields, long term culture, cost effective

02

RELEVANT CELLS

Proprietary 3D cell culture technology, better diffusion, accelerated maturation culture, cost effective

03

CONSISTENT RESULTS

Scalable to production level, automatable

04

OUTSTANDING CELL QUALITY

Fully functional and validated cells

05

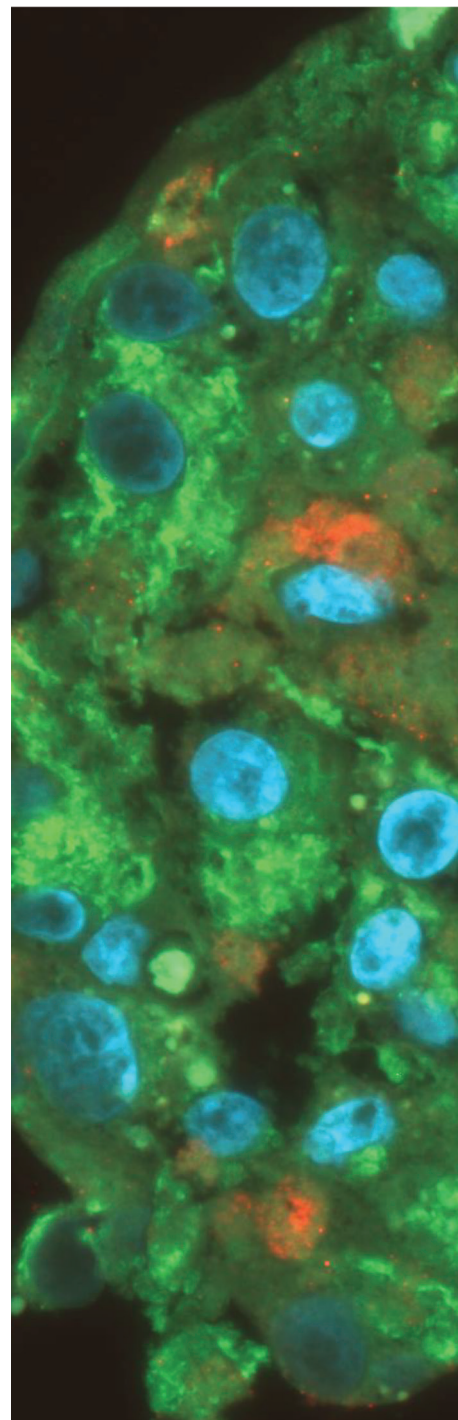
LESS WORKLOAD

Time saving, automatic procedures, standardized protocols, walk away operation

06

HIGHEST YIELD

More mature cells, more relevant cells for drug discovery



HIMEDIA®

For Life is Precious

 **CELLBIO**™



Asia
Africa
Australia

North America
South America
Europe



▲ HiMedia
Corporate Headquarters
in Thane

HiMedia is a global brand
with network reach
spanning over 150 countries
across the world.

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For IOS



For Android



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For Life is Precious