

# HiEndoXL™ Microvascular Endothelial Cell Expansion Medium, Reduced Serum

Without Bovine Brain Extract

**Product Code: AL527**

## Product description:

HiEndoXL™ Microvascular Endothelial Cell Expansion Medium is a reduced serum medium used for in vitro cultivation and expansion of Human Microvascular Endothelial Cells. It contains Basal Medium (Part A) and Microvascular Endothelial Growth Supplement (Part B). Part A consists of inorganic, organic salts, amino acids, vitamins and sodium bicarbonate. Part B consists of growth factors and nutrients necessary for growth of large vessel endothelial cells. This medium and supplement is devoid of Bovine Brain Extract (BBE), antibiotics and antimycotics.

## Products Required But Not Supplied

1..Media Supplements	Code
Mesenchymal Stem Cell Tested Fetal Bovine Serum (FBS)	RM10832, RM10845 RM10846, RM10938
Antibiotic-Antimycotic Solution 100X [or] Gentamicin-Amphotericin B solution 1000X	A002 A031
2.Reagents for Sub-culture	Code
Dulbecco's Phosphate Buffered Saline (DPBS)	TL1006
Trypsin/EDTA Solution 1X	TCL007
Trypan Blue 0.5% solution	TCL005
Trypsin inhibitor from soyabean	TCL068
3. Stem Cell Freezing Medium	Code
CryoXL™ Stem Cell Freezing Medium	TCL107

## Directions:

1. Thaw melanocyte growth supplement (Part B) overnight at 2-8°C.  
*Note: Precipitates in Part B after thawing are normal. Precipitates will not affect the performance of the medium.*

2. Disinfect the external surface of the bottles of part A and Part B by spraying with isopropyl alcohol before placing in a biosafety hood.
3. Transfer the entire content of Part B to basal medium (Part A) under aseptic condition.  
*Note: If desired, 5ml of antibiotic-antimycotic solution (A002) can be added to 500ml of complete medium.*
4. Tightly cap the bottle and swirl gently to ensure proper mixing.  
**Note:** Do not mix vigorously. Doing so will cause formation of foam.
5. Store the complete medium at 2 - 8°C until use.

## Quality control:

### Appearance

Part A: Orangish red coloured clear solution  
Part B: Pale yellow coloured clear solution

### pH

7.00 -7.60

### Osmolality in mOsm/Kg H<sub>2</sub>O

280.00 -320.00

### Sterility

No bacterial or fungal growth is observed after 14 days of incubation, as per USP specification.

### Cultural Response

The medium is tested for optimal cell growth and proliferation of microvascular endothelial cells.

## Storage and shelf life:

Store basal medium at 2-8°C away from bright light. Store endothelial growth supplement at -20 °C. Use before expiry date given on the product label. Shelf life of the complete medium is 6 weeks at 2-8°C.  
**Note:** Freezing of the basal medium and complete medium is not recommended. Avoid repeated freezing and thawing of the growth supplement.

**Related products:**

<b>Product Name</b>	<b>Code</b>	<b>Packing</b>
HiEndoXL™ Endothelial Growth Supplement, Reduced Serum w/o BBE	TCL112-1NO	For 500ml of basal medium
HiEndoXL™ Large Vessel Endothelial Growth Supplement, Reduced Serum w/o BBE	TCL113-1NO	For 500ml of basal medium
HiFi™ Umbilical Vein Endothelial Cells(HUVEC)	CL002-0.5 CL002-T25 CL002-T75	0.5 million cells/vial 1 T25cm <sup>2</sup> flask 1 T75cm <sup>2</sup> flask
EZXpand™ Umbilical Vein Endothelial Cell Culture Kit	CCK026-0.5 CCK026-T25	0.5 million cells/vial 1 T25cm <sup>2</sup> flask
CryoXL™ Stem Cell Freezing Medium	TCL107-1X50ML	1x50ml
Accutase™	TCL075-1X100ML	1 x 100ml
	TCL075-5X100ML	5 x 100ml
	TCL075-1X500ML	1 x 500ml
Trypsin-EDTA Solution 1X	TCL033-5X100ML	5 x 100ml
	TCL033-2X500ML	2 x 500ml
	TCL033-6X500ML	6 x 500ml
Trypsin Inhibitor from soybean 1X; Liquid	TCL068-1X100ML	1 x 100ml
	TCL068-5X100ML	5 x 100ml
Dulbecco's Phosphate Buffered Saline	TL1006-5X100ML	5 x 100ml
	TL1006-2X500ML	2 x 500ml
	TL1006-6X500ML	6 x 500ml
	TL1006-18X500ML	18 x 500ml
	TL1006-1X1000ML	1 x 1000ml
Antibiotic Antimycotic solution 100X, Liquid	A002-5X20ML	5 x 20ml
	A002-5X50ML	5 x 50ml
	A002-5X100ML	5 x 100ml
Gentamicin Solution w/ 50mg/ml Gentamicin in sterile tissue culture grade water	A005-5X20ML	5 x 20ml
	A005-5X50ML	5 x 50ml
Gentamicin – Amphotericin B Solution 1000X	A031-1X20ML	1 x 20ml
	A031-5X20ML	5 x 20ml

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