

# HiGlutaXL™ Leibovitz's L-15 Medium

With L-Alanyl-L-Glutamine  
1X Liquid Cell Culture Medium

**Product Code: AL011G**

## Product Description :

HiGlutaXL™ medium contains the stabilised dipeptide form of L-glutamine, L-alanyl-L-glutamine. HiGlutaXL™ medium offers several advantages over the conventional glutamine containing media. Dipeptide form prevents the intramolecular cyclization reaction, thus preventing toxic build-up of ammonia. L-alanyl-L-glutamine incorporates L-alanine that protects the alpha amino acid group. Aminopeptidases within the cell break the dipeptide, gradually releasing both L-glutamine and L-alanine for use by the cell. The gradual release of L-glutamine obviates the need to supplement L-glutamine frequently and allows liquid media to be stored at 4°C for longer periods.

AL011G is HiGlutaXL™ Leibovitz's Medium with L-alanyl-L-glutamine. Users are advised to review the literature for recommendations regarding medium supplementation and physiological growth requirements specific for different cell lines.

## Composition :

Ingredients	mg/L
<b>INORGANIC SALTS</b>	
Calcium chloride dihydrate	185.000
Magnesium chloride hexahydrate	200.000
Magnesium sulphate anhydrous	97.720
Potassium chloride	400.000
Potassium phosphate monobasic	60.000
Sodium chloride	8000.000
Sodium phosphate dibasic anhydrous	190.120
<b>AMINO ACIDS</b>	
DL-Alpha alanine	450.000
Glycine	200.000
L-Alanyl-L-Glutamine	446.000
L-Arginine (free base)	500.000
L-Asparagine	250.000
L-Cysteine (free base)	120.000
L-Histidine (free base)	250.000
L-Isoleucine	250.000
L-Leucine	125.000

L-Lysine hydrochloride	94.000
L-Methionine	75.000
L-Phenylalanine	125.000
L-Serine	200.000
L-Threonine	300.000
L-Tryptophan	20.000
L-Tyrosine disodium salt	276.160
L-Valine	100.000
<b>VITAMINS</b>	
Choline chloride	1.000
D-Ca-Pantothenate	1.000
Folic acid	1.000
Nicotinamide	1.000
Pyridoxine hydrochloride	1.000
Riboflavin-5-phosphate sodium salt	0.100
Thiamine monophosphate	1.000
i-Inositol	2.000
<b>OTHERS</b>	
D-Galactose	900.000
Phenol red sodium salt	11.000
Sodium pyruvate	550.000

## Quality Control:

### Appearance

Orangish red coloured clear solution.

### pH

7.30 -7.90

### Osmolality in mOsm/Kg H2O

300.00 -340.00

### Sterility

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

### Cultural Response

The growth promotion capacity of the medium is assessed qualitatively by analyzing the cells for the morphology and quantitatively by estimating the cell counts and comparing it with a control medium through minimum three subcultures.

**Endotoxin Content**

NMT 5EU/ml

**Storage and Shelf Life:**

Store at 2-8°C away from bright light.

Shelf life is 18 months.

Use before expiry date given on the product label.

Revision : 1 / 2011

**Disclaimer :**

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