

## UAB "LT Biotech"

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Rugių 21-24, LT-08419, Vilnius Reg. Nr. 127918,  
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### DMEM/Ham's F-12, with L-Glutamine, with 15 mM HEPES LTLM-B35

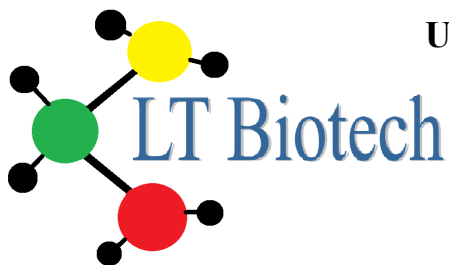
The DMEM/F-12 medium is a commonly used basal medium that provides support for the growth of numerous types of cells. The rich blend of this formulation is a result of its composition, which includes DMEM and Ham's F-12.

#### Product Specifications

<b>Appearance</b>	Clear red orange solution
<b>CO2 concentration, optimum</b>	5.5 %
<b>Storage and shelf life</b>	Store at +2°C to +8°C protected from light. Once opened, store at 4° C and use within 6-8 weeks.
<b>Shipping conditions</b>	Ambient

#### Formulation

Component	concentration mg/l
<b>Amino Acids:</b>	
Glycine	18.75
L-Alanine	4.45
L-Arginine HCl	147.50
L-Asparagine H2O	7.50
L-Aspartic Acid	6.65
L-Cysteine HCl H2O	17.56
L-Cystine 2 HCl	31.29
L-Glutamic Acid	7.35
L-Glutamine	365.00
L-Histidine HCl H2O	31.48
L-Isoleucine	54.47
L-Leucine	59.05
L-Lysine HCl	91.25
L-Methionine	17.24
L-Phenylalanine	35.48
L-Proline	17.25
L-Serine	26.25
L-Threonine	53.45
L-Tryptophan	9.02
L-Tyrosine Disodium Salt	48.10
L-Valine	52.85
<b>Vitamins:</b>	
D-Biotin	0.0035
Choline Chloride	8.98
D-Calcium Pantothenate	2.24
Folic Acid	2.66
myo-Inositol	12.60



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Component	concentration mg/l
Nicotinamide	2.02
Pyridoxine HCl	0.031
Pyridoxal HCL	2.00
Riboflavin	0.219
Thiamine HCl	2.17
Vitamin B12	0.68
<b>Inorganic Salts:</b>	
CaCl <sub>2</sub> 2 H <sub>2</sub> O	154.50
CuSO <sub>4</sub> 5 H <sub>2</sub> O	0.0013
Fe(NO <sub>3</sub> ) <sub>3</sub> 9 H <sub>2</sub> O	0.05
FeSO <sub>4</sub> 7 H <sub>2</sub> O	0.417
KCl	311.80
MgCl <sub>2</sub> 6 H <sub>2</sub> O	61.20
MgSO <sub>4</sub>	48.84
NaCl	6996.00
NaHCO <sub>3</sub>	1200.00
Na <sub>2</sub> HPO <sub>4</sub>	71.02
NaH <sub>2</sub> PO <sub>4</sub>	54.30
ZnSO <sub>4</sub> 7 H <sub>2</sub> O	0.432
<b>Other Components:</b>	
D-Glucose	3151.00
Hypoxanthine	2.40
HEPES	3574.50
Linoleic Acid	0.042
Lipoic Acid	0.105
Phenol Red Sodium Salt	8.63
Putrescine 2 HCl	0.081
Sodium Pyruvate	55.00
Thymidine	0.365

### Precautions and Disclaimer

This product is for research use and further manufacturing only.