

	DMEM/F12, w/o phenol red Composition	Cat No. BR-E51-3
INGRIDIENT		mg / L
<b>AMINO ACID</b>		
L-Alanine		4.45
L-Arginine • HCl		147.5
L-Asparagine • H <sub>2</sub> O		7.5
L-Aspartic Acid		6.65
L-Cysteine • HCl • H <sub>2</sub> O		17.56
L-Cystine • 2HCl		31.29
Glycine		18.75
L-Glutamic Acid		7.35
L-Glutamine		365
L-Histidine • HCl • H <sub>2</sub> O		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 • 2Na • 2H <sub>2</sub> O		55.79
L-Valine		52.85
<b>VITAMINS</b>		
D-Biotin		0.0035
Choline Chloride		8.98
D-Pantothenate Acid Calcium Salt		2.24
Folic Acid		2.65
Niacinamide		2.02
Pyridoxine • HCl		2
Riboflavin		0.219
Thiamine • HCl		2.17
Vitamin B12		0.68
i-Inositol		12.6
<b>INORGANIC SALTS</b>		
Calcium Chloride (CaCl <sub>2</sub> )		116.6
Cupric sulfate • 5H <sub>2</sub> O (CuSO <sub>4</sub> • 5H <sub>2</sub> O)		0.0013
Ferric Nitrate • 9H <sub>2</sub> O (Fe(NO <sub>3</sub> ) <sub>3</sub> • 9H <sub>2</sub> O)		0.05
Ferric sulfate • 7H <sub>2</sub> O (FeSO <sub>4</sub> • 7H <sub>2</sub> O)		0.417
Magnesium Chloride (MgCl <sub>2</sub> )		28.64
Magnesium Sulfate (MgSO <sub>4</sub> )		48.84
Potassium Chloride (KCl)		311.8
Sodium Chloride (NaCl)		6996
Sodium Phosphate Dibasic (Na <sub>2</sub> HPO <sub>4</sub> )		71.02
Sodium Dihydrogen Phosphate		62.5
Zinc Sulfate • 7H <sub>2</sub> O		0.432
Sodium Bicarbonate (NaHCO <sub>3</sub> )		2438
<b>OTHER COMPONENTS</b>		
D-Glucose		3151
HEPES		0
Hypoxanthine • Na		2.4
Linoleic Acid		0.042
Lipoic Acid		0.105
Phenol Red • Na		0
Putrescine • 2HCl		0.081
Sodium Pyruvate		55
Thymidine		0.365