

## Composition

**P03-6710**

**DMEM/F12 (1:1)**  
**w: L-Glutamine**  
**w: 15 mM HEPES**  
**w/o: Phenol red**  
**w/o: NaHCO<sub>3</sub>**

	Components	mg/L
Inorganic Salts	Calcium chloride x 2H <sub>2</sub> O	154.00
	Iron(III)-nitrate x 9H <sub>2</sub> O	0.05
	Iron(II)-sulfate x 7H <sub>2</sub> O	0.42
	Potassium chloride	311.83
	Copper(II)-sulfate x 5H <sub>2</sub> O	0.001
	Magnesium chloride anhydrous	28.57
	Magnesium sulfate	48.85
	Sodium chloride	6,999.50
	Sodium dihydrogen phosphate anhydrous	54.35
	di-Sodium hydrogen phosphate	70.98
	Zinc sulfate x 7H <sub>2</sub> O	0.43
Other Components	D(+)-Glucose anhydrous	3,151.00
	HEPES	3,574.80
	Hypoxanthine	2.04
	Linoleic acid methyl ester	0.044
	DL-68-Lipoic acid	0.103
	Sodium pyruvate	110.00
	Phenol red	0.00
	Putrescine x 2HCl	0.081
Thymidine	0.36	

Amino Acids	L-Alanine	4.45
	L-Arginine x HCl	147.35
	L-Asparagine x H <sub>2</sub> O	7.50
	L-Aspartic acid	6.65
	L-Cystine x 2HCl	31.29
	L-Cysteine x HCl x H <sub>2</sub> O	17.56
	L-Glutamine	365.00
	L-Glutamic acid	7.35
	Glycine	18.75
	L-Histidine x HCl x H <sub>2</sub> O	31.48
	L-Isoleucine	54.37
	L-Leucine	58.96
	L-Lysine x HCl	91.37
	L-Methionine	17.24
	L-Phenylalanine	35.48
	L-Proline	17.27
	L-Serine	26.25
	L-Threonine	53.55
	L-Tryptophan	9.02
	L-Tyrosine x 2Na x 2H <sub>2</sub> O	55.81
L-Valine	52.66	
Vitamins	D-(+)-Biotin	0.004
	D-Calcium pantothenate	2.12
	Choline chloride	8.98
	Folic acid	2.66
	myo-Inositol	12.51
	Nicotinamide	2.02
	Pyridoxine x HCl	2.03
	Riboflavin	0.22
	Thiamine x HCl	2.17
	Vitamin B12	0.68