

## Composition

**P04-80062**

**MCDB 153**

**w/o: L-Glutamine**

**w: 1.176 g/L NaHCO<sub>3</sub>**

	Components	mg/L
Inorganic Salts	Ammonium metavanadate	0.000585
	Ammonium Molybdate x 4H <sub>2</sub> O	0.001236
	Calcium chloride x 2H <sub>2</sub> O	4.411
	Copper (II) sulfate x 5H <sub>2</sub> O	0.0002496
	Iron (III) sulfate x 7H <sub>2</sub> O	1.39
	Magnesium chloride x 6H <sub>2</sub> O	122.00
	Manganese sulfate x H <sub>2</sub> O	0.000169
	Nickel chloride x 6H <sub>2</sub> O	0.0001188
	Potassium chloride	111.83
	Selenous acid	0.003869
	Sodium chloride	7,599.00
	di-Sodium hydrogen phosphate	283.97
	Sodium metasilicate x 9 H <sub>2</sub> O	0.1421
	Sodium acetate x 3H <sub>2</sub> O	500.00
	Tin chloride x 2H <sub>2</sub> O	0.0001128
Zinc Sulfate x 7H <sub>2</sub> O	0.144	
Other Components	Adenine	24.32
	D-Glucose	1,081.00
	HEPES	6600.00
	DL- $\alpha$ -Lipoic acid	0.2063
	Phenol red	1.317
	Putrescine x 2HCl	0.1611
	Sodium pyruvate	55.00
	Thymidine	0.7266

Amino Acids	L-Alanine	8.91
	L-Arginine x HCl	210.70
	L-Asparagine x H <sub>2</sub> O	15.00
	L-Aspartic acid	3.99
	L-Cysteine x HCl x H <sub>2</sub> O	42.04
	L-Glutamine	0.00
	L-Glutamic acid	14.71
	Glycine	7.51
	L-Histidine x HCl x H <sub>2</sub> O	16.77
	L-Isoleucine	1.968
	L-Leucine	65.60
	L-Lysine x HCl	18.27
	L-Methionine	4.476
	L-Phenylalanine	4.956
	L-Proline	34.53
	L-Serine	63.06
	L-Threonine	11.91
	L-Tryptophan	3.06
	L-Tyrosine	2.718
	L-Valine	35.13
Vitamins	D(+)-Biotin	0.0146
	Choline chloride	13.96
	D-Calcium pantothenate	0.258
	Folic acid	0.79
	myo-Inositol	18.02
	Nicotinamide	0.03663
	Pyridoxine x HCl	0.06171
	Riboflavin	0.0376
	Thiamine x HCl	0.3373
	Vitamin B12	4.07
	NaHCO <sub>3</sub>	1,176.00