

## Composition

**P03-2150**

**M199 with HBSS  
 w: L-Glutamine  
 w/o: NaHCO<sub>3</sub>**

	Components	mg/L
Inorganic Salts	Calcium chloride x 2H <sub>2</sub> O	185.45
	Iron (III) nitrate x 9H <sub>2</sub> O	0.72
	Magnesium sulfate anhydrous	97.67
	Potassium chloride	400.00
	Potassium dihydrogen phosphate	60.00
	Sodium acetat	50.03
	Sodium chloride	8,000.00
	di-Sodium hydrogen phosphate	47.68
Other Components	Adenine sulfate	10.00
	AMP	0.20
	ATP	1.00
	Cholesterol	0.20
	2'-Deoxyribose	0.50
	D(+)-Glucose anhydrous	1,000.00
	Glutathione (red.)	0.05
	Guanine x HCl	0.30
	Hypoxanthine	0.30
	Phenol red	10.00
	D-Ribose	0.50
	Thymine	0.30
	Tween 80	4.90
	Uracil	0.30
	Xanthine	0.30

Amino Acids	L-Alanine	25.00
	L-Arginine x HCl	70.00
	L-Aspartic acid	30.00
	L-Cysteine x HCl x H <sub>2</sub> O	0.10
	L-Cystine	20.00
	L-Glutamine	100.00
	L-Glutamic acid	67.00
	Glycine	50.00
	L-Histidine x HCl x H <sub>2</sub> O	21.88
	L-Hydroxyproline	10.00
	L-Isoleucine	20.00
	L-Leucine	60.00
	L-Lysine x HCl	70.00
	L-Methionine	15.00
	L-Phenylalanine	25.00
	L-Proline	40.00
	L-Serine	25.00
	L-Threonine	30.00
	L-Tryptophan	10.00
	L-Tyrosine	40.00
L-Valine	25.00	
Vitamins	4-Amino benzoic acid	0.05
	Ascorbic acid	0.05
	D(+)-Biotin	0.01
	Calciferol	0.10
	D-Calcium pantothenate	0.01
	Choline chloride	0.50
	Folic acid	0.01
	myo-Inositol	0.05
	Menadione	0.01
	Nicotinic acid	0.025
	Nicotinamide	0.025
	Pyridoxal x HCl	0.025
	Pyridoxol x HCl	0.025
	Riboflavin	0.01

	DL- $\alpha$ -Tocopherol phosphate disodium salt	0.01
	Thiamine x HCl	0.01
	Vitamine A acetate	0.14