

## Composition

**P04-05550**      **DMEM with 4.5 g/L Glucose**  
**w: L- Glutamine**  
**w: 25 mM HEPES**  
**w: Sodium pyruvate**  
**w: 3.7 g/L NaHCO<sub>3</sub>**

	Components	mg/L
Inorganic Salts	Calcium chloride anhydrous	200.00
	Iron (III) nitrate x 9H <sub>2</sub> O	0.10
	Magnesium sulfate anhydrous	97.66
	Potassium chloride	400.00
	Sodium chloride	5,400.00
	Sodium dihydrogen phosphate anhydrous	108.69
Other Components	D(+)-Glucose anhydrous	4,500.00
	HEPES	5,958.00
	Sodium pyruvate	110.00
	Phenol red	15.00
Amino acids	L-Arginine x HCl	84.00
	L-Cystine x 2HCl	62.58
	L-Glutamine	584.00
	Glycine	30.00
	L-Histidine x HCl x H <sub>2</sub> O	42.00
	L-Isoleucine	104.80
	L-Leucine	104.80
	L-Lysine x HCl	146.20
	L-Methionine	30.00
	L-Phenylalanine	66.00

	L-Serine	42.00
	L-Threonine	95.20
	L-Tryptophan	16.00
	L-Tyrosine x Na	103.79
	L-Valine	93.60
Vitamins	D-Calcium pantothenate	4.00
	Choline chloride	4.00
	Folic acid	4.00
	myo-Inositol	7.00
	Nicotinamide	4.00
	Pyridoxine x HCl	4.00
	Riboflavin	0.40
	Thiamine x HCl	4.00
	NaHCO <sub>3</sub>	3,700.00