

# Cat# 25-504



## Minimum Essential Medium - Earle's

With Earle's salts and L-glutamine. Store at 2° to 8°C.

Pyridoxal, Hydrochloride ( $C_8H_9NO_3 \cdot HCl$ )	1.0000
Riboflavin ( $C_{17}H_{20}N_4O_6$ )	0.1000
Sodium Bicarbonate ( $NaHCO_3$ )	2200.0000
Sodium Chloride ( $NaCl$ )	6800.0000
Sodium Phosphate, Monobasic, Monohydrate ( $NaH_2PO_4 \cdot H_2O$ )	140.0000
Thiamine, Hydrochloride ( $C_{12}H_{17}ClN_4OS \cdot HCl$ )	1.0000

Components	mg/L
Calcium Chloride, Anhydrous ( $CaCl_2$ )	200.0000
Choline Chloride ( $C_5H_{14}ONCl$ )	1.0000
D-Calcium Pantothenate ( $C_{18}H_{32}CaN_2O_{10}$ )	1.0000
D-Glucose, Anhydrous ( $C_6H_{12}O_6$ )	1000.0000
Folic Acid ( $C_{19}H_{19}N_7O_6$ )	1.0000
L-Arginine, Hydrochloride ( $C_6H_{14}N_4O_2 \cdot HCl$ )	126.0000
L-Cystine, Dihydrochloride ( $C_6H_{12}N_2O_4S_2 \cdot 2HCl$ )	31.0000
L-Glutamine ( $C_5H_{10}N_2O_3$ )	292.0000
L-Histidine, Hydrochloride, Monohydrate ( $C_6H_9N_3O_2 \cdot HCl \cdot H_2O$ )	42.0000
L-Isoleucine ( $C_6H_{13}NO_2$ )	52.0000
L-Leucine ( $C_6H_{13}NO_2$ )	52.0000
L-Lysine, Hydrochloride ( $C_6H_{14}N_2O_2 \cdot HCl$ )	73.0000
L-Methionine ( $C_5H_{11}NO_2S$ )	15.0000
L-Phenylalanine ( $C_9H_{11}NO_2$ )	32.0000
L-Threonine ( $C_4H_9NO_3$ )	48.0000
L-Tryptophan ( $C_{11}H_{12}N_2O_2$ )	10.0000
L-Tyrosine, Disodium, Dihydrate ( $C_9H_9NO_3Na_2 \cdot 2H_2O$ )	52.0000
L-Valine ( $C_5H_{11}NO_2$ )	46.0000
Magnesium Sulfate, Anhydrous ( $MgSO_4$ )	98.0000
Myo-Inositol ( $C_6H_{12}O_6$ )	2.0000
Niacinamide ( $C_6H_6N_2O$ )	1.0000
Phenol Red, Sodium Salt ( $C_{19}H_{13}NaO_5S$ )	10.0000
Potassium Chloride ( $KCl$ )	400.0000