

## Formulations

### DULBECCO'S MODIFIED EAGLE'S MEDIUM (DMEM) WITH HIGH GLUCOSE

**Cat.# 112-013**

COMPONENTS	mg/L
<b>Inorganic Salts</b>	
Calcium Chloride (CaCl <sub>2</sub> ) (anhyd.)	200.00
Ferric Nitrate (Fe(NO <sub>3</sub> ) <sub>3</sub> ·9H <sub>2</sub> O)	0.10
Magnesium Sulfate MgSO <sub>4</sub> (anhydrous)	97.67
Potassium Chloride KCl	400.00
Sodium Chloride NaCl	6400.00
Sodium Bicarbonate NaHCO <sub>3</sub>	3700.00
Sodium Phosphate monobasic NaH <sub>2</sub> PO <sub>4</sub>	108.69
<b>Other Components</b>	
D-Glucose	4500.00
Phenol red•Na	15.00
Sodium pyruvate	110.00
<b>Amino Acids</b>	
L-Arginine•HCl	84.00
L-Cystine•2HCl	62.58
L-Glutamine	-
Glycine	30.00
L-Histidine•HCl•H <sub>2</sub> O	42.00
L-Isoleucine	104.80
L-Leucine	104.80
L-Lysine•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•2Na•2H <sub>2</sub> O	103.79
L-Valine	93.60
<b>Vitamins</b>	
Choline chloride	4.00
D-Ca pantothenate	4.00
Folic acid	4.00
i-Inositol	7.00
Nicotinamide (Niacinamide)	4.00
Pyridoxal•HCl	4.00
Riboflavin	0.40
Thiamine•HCl	4.00

References:

Morton, H.J., (1970) In Vitro, 6:89-108

Dulbecco, R., Freeman, G., (1959) Virology, 8:396-397

Smith, J.D., et al, (1960) Virology, 12:185-196