

	D-MEM (Dulbecco's Modified Eagle's Medium)									G-MEM
Code No.	044-29765	043-30085	048-30275	045-30285	045-32245	042-32015	040-30095	041-29775	042-32255	078-05525
D-Glucose	High	High	High	High	High	High	High	Low	No	
L-Glutamine	●	●	●	-	-	-	-	●	●	●
Phenol Red	●	●	●	●	●	●	-	●	●	●
Sodium Pyruvate	-	●	-	-	●	-	-	●	-	-
HEPES	-	-	●	-	-	●	-	-	-	-
Components	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Inorganic components:										
CaCl ₂ (anhyd.)	200.00	200.00	200.00	200.00	200.00	200.00	200.00	200.00	200.00	200.00
KCl	400.00	400.00	400.00	400.00	400.00	400.00	400.00	400.00	400.00	400.00
MgSO ₄ (anhyd.)	97.67	97.67	97.67	97.67	97.67	97.67	97.67	97.67	97.67	97.67
NaCl	6,400.00	6,400.00	4,400.00	6,400.00	6,400.00	4,400.00	6,400.00	6,400.00	6,400.00	6,400.00
NaHCO ₃	3,700.00	3,700.00	3,700.00	3,700.00	3,700.00	3,700.00	3,700.00	3,700.00	3,700.00	2,750.00
NaH ₂ PO ₄ (anhyd.)	108.70	108.70	108.70	108.70	108.70	109.00	108.70	108.70	108.70	107.82
Trace elements:										
Fe(NO ₃) ₃ 9H ₂ O	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Amino acids:										
L-Arginine HCl	84.00	84.00	84.00	84.00	84.00	84.00	84.00	84.00	84.00	42.00
L-Cystine	48.34	48.34	48.34	48.34	48.34	-	48.34	48.34	48.34	24.01
L-Cystine 2HCl	-	-	-	-	-	62.60	-	-	-	-
L-Glutamine	584.00	584.00	584.00	-	-	-	-	584.00	584.00	292.00
Glycine	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	-
L-Histidine HCl H ₂ O	42.00	42.00	42.00	42.00	42.00	42.00	42.00	42.00	42.00	21.00
L-Isoleucine	105.00	105.00	105.00	105.00	105.00	105.00	105.00	105.00	105.00	52.00
L-Leucine	105.00	105.00	105.00	105.00	105.00	105.00	105.00	105.00	105.00	52.00
L-Lysine HCl	146.00	146.00	146.00	146.00	146.00	146.00	146.00	146.00	146.00	73.00
L-Methionine	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	15.00
L-Phenylalanine	66.00	66.00	66.00	66.00	66.00	66.00	66.00	66.00	66.00	33.00
L-Serine	42.00	42.00	42.00	42.00	42.00	42.00	42.00	42.00	42.00	-
L-Threonine	95.00	95.00	95.00	95.00	95.00	95.00	95.00	95.00	95.00	47.60
L-Tryptophan	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	8.00
L-Tyrosine	71.59	71.59	71.59	71.59	71.59	-	71.59	71.59	71.59	36.21
L-Tyrosine 2Na 2H ₂ O	-	-	-	-	-	103.79	-	-	-	-
L-Valine	94.00	94.00	94.00	94.00	94.00	94.00	94.00	94.00	94.00	46.80
Vitamins:										
D-1/2Ca Pantothenate	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.00
Choline Chloride	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.00
Folic Acid	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.00
i-Inositol	7.20	7.20	7.20	7.20	7.20	7.20	7.20	7.20	7.20	3.60
Niacinamide	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.00
Pyridoxine HCl	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.00
Riboflavin	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.20
Thiamine HCl	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.00
Other components:										
D-Glucose	4,500.00	4,500.00	4,500.00	4,500.00	4,500.00	4,500.00	4,500.00	1,000.00	-	4,500.00
Phenol Red	15.00	15.00	15.00	15.00	15.00	15.90	-	15.00	15.00	15.00
Sodium Pyruvate	-	110.00	-	-	110.00	-	-	110.00	-	-
HEPES	-	-	5,958.00	-	-	5,958.00	-	-	-	-