

## Iscove's Modified Dulbecco's Medium

### Description

The IMDM is a modified DMEM, with a higher content of vitamins, selenium and amino acids. As it is supplemented with albumin, transferrin and soy lipids it can be excellently applied for culturing lymphocytes, marrow cells or hybridoma cells. Note: for hybridomas there is a better and highly efficient protein-free medium available: our Panserin H4000.

### Liquid Media

IMDM<sup>(1)</sup>  
without L-Glutamine  
with 3.024 g/L NaHCO<sub>3</sub>    500 ml P04-20250

IMDM<sup>(1)</sup>  
with L-Glutamine  
with 3.024 NaHCO<sub>3</sub>        500 ml P04-20350

IMDM<sup>(1)</sup>  
without L-Glutamine  
with 25 mM Hepes  
with 3.024 g/L NaHCO<sub>3</sub>    500 ml P04-20050

IMDM<sup>(2)</sup>  
with L-Glutamine  
with 25 mM Hepes  
with 3.024 g/L NaHCO<sub>3</sub>    500 ml P04-20150

IMDM<sup>(2)</sup>  
with stab. Glutamine  
with 25 mM Hepes  
with 3.024 g/L NaHCO<sub>3</sub>    500 ml P04-20450

IMDM<sup>(2)</sup>  
with stab. Glutamine  
with 25 mM Hepes  
without Phenol red  
with 3.024 g/L NaHCO<sub>3</sub>    500 ml P04-20451

### Composition

	Components	mg/L
<b>Inorganic Salts</b>	Calcium chloride anhydrous	165.00
	Potassium chloride	330.00
	Potassium nitrate	0.076
	Magnesium sulfate anhydrous	97.66
	Sodium chloride	5,005.00
	Sodium dihydrogen phosphate x H <sub>2</sub> O	125.00
	Sodium selenite x 5H <sub>2</sub> O	0.01
<b>Other Components</b>	D(+)-Glucose anhydrous	4500.00
	Hepes	5958.00
	Sodium pyruvate	110.00
	Phenol red	15.00
<b>Amino acids</b>	L-Alanine	25.00
	L-Arginine x HCl	84.00
	L-Asparagine x H <sub>2</sub> O	28.40
	L-Aspartic acid	30.00
	L-Cystine x 2HCl	91.24
	L-Glutamine	584.00
	L-Glutamic acid	75.00
	Glycine	30.00
	L-Histidine x HCl x H <sub>2</sub> O	42.00
	L-Isoleucine	105.00
	L-Leucine	105.00
	L-Lysine x HCl	146.00
	L-Methionine	30.00
	L-Phenylalanine	66.00
	L-Proline	40.00
	L-Serine	42.00
	L-Threonine	95.00
	L-Tryptophan	16.00
L-Tyrosine x 2Na x 2H <sub>2</sub> O	104.2	
L-Valine	94.00	
<b>Vitamins</b>	D(+)-Biotin	0.0130
	D-Calcium pantothenate	4.00
	Choline chloride	4.00
	Folic acid	4.00
	myo-Inositol	7.20
	Nicotinamide	4.00
	Pyridoxine x HCl	4.00
	Riboflavin	0.40
	Thiamine x HCl	4.00
	Vitamin B12	0.013

When 5,958.00 mg/L HEPES is included there is only 4,505.00 mg/L sodium chloride.

(1) usually on stock, (2) minimum order 10 l, (3) available on request

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### Special Media

IMDM <sup>(2)</sup> without L-Glutamine with 1.0 g/L Glucose with 3.024 g/L NaHCO <sub>3</sub>	500 ml P04-20259
IMDM <sup>(2)</sup> with stab. Glutamine with 25 mM Hepes without Phenol red 315 mOsm with 3.024 g/L NaHCO <sub>3</sub>	500 ml P04-20451S1
IMDM <sup>(2)</sup> with L-Glutamine with 25 mM Hepes 320 mOsm with 3.024 g/L NaHCO <sub>3</sub>	500 ml P04-20150S2
IMDM <sup>(2)</sup> with L-Glutamine with 1.5 g/L NaHCO <sub>3</sub>	500 ml P04-20351

### Powder Media

IMDM <sup>(1)</sup> without L-Glutamine without NaHCO <sub>3</sub>	10 L 50 L	P03-5210 P03-5250
IMDM <sup>(1)</sup> with L-Glutamine without NaHCO <sub>3</sub>	10 L 50 L	P03-1310 P03-1350
IMDM <sup>(1)</sup> with L-Glutamine with 25 mM Hepes without NaHCO <sub>3</sub>	10 L 50 L	P03-1410 P03-1450

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