

## Dulbecco's Modification of Eagle's Medium (DMEM)/HAM's F12 50/50 Mix

### Product Description

Product Code	10-090	10-092	10-103	15-090	16-405	90-090	90-091
Description	Liquid 1x	Liquid 1x	Liquid 1x	Liquid 1x	Liquid 1x	Powder	Powder
Units	mg/mL	mg/mL	mg/mL	mg/mL	mg/mL	mg/mL	mg/mL
<b>Components</b>							
<i>Inorganic Salts</i>							
Calcium (anhydrous)	116.65	116.65	116.65	116.65	116.65	116.65	116.65
Fe SO <sub>4</sub> • 7H <sub>2</sub> O	0.417	0.417	0.417	0.417	0.417	0.417	0.417
Fe(NO <sub>3</sub> ) <sub>3</sub> • 9H <sub>2</sub> O	0.05	0.05	0.05	0.05	0.05	0.05	0.05
KCl	311.8	311.8	311.8	311.8	311.8	311.8	311.8
Cu SO <sub>4</sub> (anhydrous)	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
MgSO <sub>4</sub> (anhydrous)	84.95	84.95	84.95	84.95	84.95	84.95	84.95
NaCl	7,000	7,000	7,000	7,000	7,000	7,000	7,000
Na H <sub>2</sub> PO <sub>4</sub> • H <sub>2</sub> O	62.5	62.5	62.5	62.5	62.5	62.5	62.5
Na <sub>2</sub> HPO <sub>4</sub> (anhydrous)	71	71	71	71	71	71	71
Na HCO <sub>3</sub>	2,438	2,438	2,438	2,438	2,438	"	"
Zn SO <sub>4</sub> • 7H <sub>2</sub> O	0.4315	0.4315	0.4315	0.4315	0.4315	0.4315	0.4315
<i>Amino Acids</i>							
L- Alanine	4.45	4.45	4.45	4.45	4.45	4.45	4.45
L-Arginine • HCl	147.5	147.5	147.5	147.5	147.5	147.5	147.5
L- Asparagine • H <sub>2</sub> O	7.5	7.5	7.5	7.5	7.5	7.5	7.5
L- Aspartic acid	6.65	6.65	6.65	6.65	6.65	6.65	6.65
L-Cysteine • HCl • H <sub>2</sub> O	17.56	17.56	17.56	17.56	17.56	17.56	17.56
L- Cystine • 2HCl	31.285	31.285	31.285	31.285	31.285	31.285	31.285
L- Glutamic acid	7.35	7.35	7.35	7.35	7.35	7.35	7.35
L-Alanyl-L-glutamine	"	"	543	"	"	"	"
L- glutamine	365.1	365.1	"	"	365.1	"	"
Glycine	18.75	18.75	18.75	18.75	18.75	18.75	18.75
L-Histidine • HCl • H <sub>2</sub> O	31.48	31.48	31.48	31.48	31.48	31.48	31.48
L- Isoleucine	54.37	54.37	54.37	54.37	54.37	54.37	54.37
L-Leucine	58.95	58.95	58.95	58.95	58.95	58.95	58.95
L-Lysine • HCl	91.35	91.35	91.35	91.35	91.35	91.35	91.35

L- Methionine	17.24	17.24	17.24	17.24	17.24	17.24	17.24
L-Phenylalanine	35.48	35.48	35.48	35.48	35.48	35.48	35.48
L-Proline	17.25	17.25	17.25	17.25	17.25	17.25	17.25
L-Serine	26.25	26.25	26.25	26.25	26.25	26.25	26.25
L-Threonine	53.55	53.55	53.55	53.55	53.55	53.55	53.55
L-Tryptophan	9.02	9.02	9.02	9.02	9.02	9.02	9.02
L-Tyrosine • 2Na • 2 H <sub>2</sub> O	55.815	55.815	55.815	55.815	55.815	55.815	55.815
L-Valine	52.85	52.85	52.85	52.85	52.85	52.85	52.85
<b>Vitamins</b>							
Biotin	0.00365	0.00365	0.00365	0.00365	0.00365	0.00365	0.00365
D-Ca-Pantothenate	2.24	2.24	2.24	2.24	2.24	2.24	2.24
Choline Chloride	8.98	8.98	8.98	8.98	8.98	8.98	8.98
Folic Acid	2.65	2.65	2.65	2.65	2.65	2.65	2.65
i-Inositol	12.61	12.61	12.61	12.61	12.61	12.61	12.61
Nicotinamide	2.0185	2.0185	2.0185	2.0185	2.0185	2.0185	2.0185
Pyridoxine • HCl	2.031	2.031	2.031	2.031	2.031	2.031	2.031
Riboflavin	0.219	0.219	0.219	0.219	0.219	0.219	0.219
Thiamine• HCl	2.17	2.17	2.17	2.17	2.17	2.17	2.17
Vitamin B12	0.68	0.68	0.68	0.68	0.68	0.68	0.68
Dextrose	3,151	3,151	3,151	3,151	3,151	3,151	3,151
Hypoxanthine, Sodium	2.385	2.385	2.385	2.385	2.385	2.385	2.385
DL-Thioctic (lipoic) acid	0.105	0.105	0.105	0.105	0.105	0.105	0.105
Methyl Lineoleate	0.044	0.044	0.044	0.044	0.044	0.044	0.044
Phenol Red, Sodium	8.1	8.1	8.1	8.1	"	"	8.1
Putrescine'2HCl	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Sodium Pyruvate	110	110	110	110	110	110	110
Thymidine	0.365	0.365	0.365	0.365	0.365	0.365	0.365
HEPES	"	3574.8	"	"	"	"	"
<b>Add</b>							
NaHCO <sub>3</sub> Powder (g/L)	"	"	"	"	"	2.438	2.438
7.5% Solution (ml/L)	"	"	"	"	"	32.50	32.50
L-glutamine Powder (mg/L)	"	"	"	"	"	365.10	365.10
200 mM Solution (ml/l)	"	"	"	"	"	12.50	12.50

" indicates not present

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## Support

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