

## MCDB FORMULATION

21/06/2017

	Serum Reduced Media - MCDB	LM-M1201 Liquid mg/l	LM-M1202 Liquid mg/l	LM-M1203 Liquid mg/l
Amino Acids	Glycine	7,51	2,3	7,51
	L-Alanine	8,91	2,7	8,91
	L-Arginine Monohydrochloride	210,7	63,2	210,7
	L-Asparagine Monohydrate	15	15	15
	L-Aspartic Acid	13,31	13,3	3,99
	L-Cysteine Monohydrochloride Monohydrate	8,78	35	42,04
	L-Glutamic Acid	14,71	4	14,71
	L-Glutamine	365,3	/	877,2
	L-Histidine Monohydrochloride Monohydrate	7,51	42	16,77
	L-Isoleucine	3,94	66	1,968
	L-Leucine	13,12	131	65,6
	L-Lysine Monohydrochloride	36,54	182	18,27
	L-Methionine	4,48	15	4,476
	L-Phenylalanine	4,96	33	4,956
	L-Proline	34,53	11,5	34,53
	L-Serine	10,51	32	63,06
	L-Threonine	11,91	12	11,91
	L-Tryptophan	2,04	4,1	3,06
	L-Tyrosine	/	18,1	/
L-Tyrosine Disodium Salt Dihydrate	7,84	/	3,92	
L-Valine	11,72	12	35,13	
Inorganic Salts	Ammonium Metavanadate	0,00059	0,0037	/
	Ammonium Molybdate Tetrahydrate	0,00124	0,0006	/
	Calcium Chloride Dihydrate	147	/	4,411
	Cupric Sulfate Pentahydrate	0,00025	0,0012	0,0025
	Ferrous Sulfate Heptahydrate	1,39	0,283	0,417
	Magnesium Chloride Hexahydrate	/	/	122
	Magnesium Sulfate Anhydrous	120,38	/	/
	Magnesium Sulfate Heptahydrate	/	2464	/
	Manganese Sulfate Monohydrate	0,00015	0,0002	/
	Nickel Chloride Hexahydrate	0,00012	0,0007	/
	Potassium Chloride	/	298	111,83
	Potassium Phosphate Monobasic Anhydrous	408,27	/	/
	Sodium Acetate Anhydrous	/	/	301,53
	Sodium Bicarbonate	/	1176	1176
	Sodium Chloride	6546	6430	7599
	Sodium Metasilicate Nonahydrate	0,1421	2,8	/
	Sodium Phosphate Dibasic Anhydrous	/	70,9	284,088
	Sodium Selenite	0,00519	0,0038	/
Stannous Chloride Dihydrate	0,00011	/	/	
Zinc Sulfate Heptahydrate	0,144	0,0003	0,863	
Vitamins	Choline Chloride	13,96	14	13,96
	D-Biotin	0,00734	0,0073	0,0146
	D-Ca Pantothenate	0,238	12	0,238
	Folic Acid	0,00051	0,6	0,79
	Myo-Inositol	18,02	7,2	18,02
	Nicotinamide	6,11	6,1	0,0366
	Pyridoxine Hydrochloride	0,0617	2,1	0,0617
	Riboflavin	0,113	0,0038	0,0376
	Thiamine Hydrochloride	0,337	3,4	0,337
Vitamin B12	0,136	0,0136	0,407	
O.C.*	Adenine Monohydrochloride	1,72	0,135	30,88
	D-Glucose Anhydrous	720,64	1000	1081
	Hepes Free Acid	5958	/	6600
	Linoleic Acid	0,0028	/	/
	Phenol Red Sodium Salt	1,242	12,4	1,242
	Putrescine + 2HCl	0,00016	0,002	0,1611
	Sodium Pyruvate	110	110	55
	Thioctic Acid	0,00206	0,0021	0,2063
Thymidine	0,0727	0,024	0,727	

\* Other components