

DMEM - F12 Mix with HEPES
C4023.0500

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 Zusammensetzungen

	Component	mg/L	mM	
Inorganic salts	CaCl ₂ x 2H ₂ O	154,45	1.0505	corresponds with 116.6mg/L CaCl ₂
	Fe(III)-nitrate x 9H ₂ O	0.05	1.24E-4	
	Fe(II)-sulfate x 7H ₂ O	0.42	0.0015	
	KCl	311.83	4.1573	
	Cu(II)-sulfate x 5H ₂ O	0.001	5.2E-6	
	MgCl ₂ anhyd.	28.57	0.3015	
	MgSO ₄ anhyd.	48.85	0.407	corresponds with 62.5mg/L NaH ₂ PO ₄
	NaCl	6999.50	120.6121	
	NaH ₂ PO ₄ anhyd.	54.35	0.4529	
	Na ₂ HPO ₄ anhyd.	70.98	0.5001	
	ZnSO ₄ x 7H ₂ O	0,43	0.0015	
	NaHCO ₃	1200.00	14.2857	
Other components	D(+)-Glucose (anhydrous)	3151.00	17.5056	
	HEPES	3574.5	15.0189	
	Hypoxanthine	2.04	0.0150	
	Linoleic acid	0.04	1.50E-4	
	DL-Lipoic acid	0.103	5.1E-4	
	Na-pyruvate	110.00	1.0000	
	Phenol red	8.10	0.02152	
	Putrescin x 2HCl	0.081	5.03E-4	
Amino acids	Thymidine	0.365	0.0015	
	L-Alanine	4.45	0.0500	
	L-Arginine x HCl	147.35	0.6990	
	L-Asparagine x H ₂ O	7.50	0.0500	
	L-Aspartic acid	6.65	0.0500	
	L-Cystine x 2HCl	31.29	0.1000	
	L-Cysteine x HCl x H ₂ O	17.56	0.1000	
	L-Glutamine	365.00	2.5000	
	L-Glutamic acid	7.35	0.0500	
	Glycine	18.75	0.2500	
	L-Histidine x HCl x H ₂ O	31.48	0.1499	
	L-Isoleucine	54.37	0.4158	
	L-Leucine	58.96	0.4508	
	L-Lysine x HCl	91.37	0.4986	
	L-Methionine	17.24	0.1157	
	L-Phenylalanine	35.48	0.2150	
	L-Proline	17.27	0.1500	
	L-Serine	26.25	0.2500	
	L-Threonine	53.55	0.4492	
	L-Tryptophan	9.02	0.0442	
Vitamines	L-Tyrosine x 2Na x 2H ₂ O	55,81	0.2138	
	L-Valine	62,66	0.4524	
	D(+)-Biotin	0.0035	1.43E-5	
	D-Ca-Pantothenate	2.12	0.0047	
	Cholin chloride	8.98	0.0641	
	Folic acid	2.66	0.0060	
	myo-Inositol	12.51	0.0700	
	Niacinamide	2.02	0.0166	
	Pyridoxine x HCl	2.03	0.0097	
	Riboflavine	0.22	5.82E-4	
	Thiamine x HCl	2.17	0.0064	
	Vitamine B12	0.68	5.02E-4	

