

DMEM - F12 Mix

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 Zusammensetzungen

	Component	mg/L			
Anorganic salts	CaCl ₂ (free of water)	116.60	DMEM / F12 (1:1)		
	Fe(III)-nitrate x 9H ₂ O	0.05	with stable L-Glutamine		
	Fe(II)-sulfate x 7H ₂ O	0.417	with 15 mM Hepes		
	KCl	311.8	with 4.7 g/L NaHCO ₃	500 mL	C4017.0500
	Cu(II)-sulfate x 5H ₂ O	0.0013			
	MgCl ₂ x 6H ₂ O	61.00	DMEM / F12 (1:1)		
	MgSO ₄ (dried)	48.84	without L-Glutamine		
	NaCl	6999.50	with NaHCO ₃	500 mL	C4018.0500
	NaH ₂ PO ₄ x H ₂ O	62.50			
	Na ₂ HPO ₄ (dried)	71.02	DMEM / F12 (1:1)		
	ZnSO ₄ x 7H ₂ O	0.432	with L-Glutamine		
	NaHCO ₃	1200.00	with NaHCO ₃	500 mL	C4019.0500
	Other components	D(+)-Glucose (anhydrous)	3151.00	DMEM / F12 (1:1)	
Hypoxanthine		2.04	with L-Glutamine		
Linoleic acid		0.042	without Phenol red		
DL-68-Lipoic acid		0.105	with NaHCO ₃	500 mL	C4020.0500
Na-pyruvate		55.00			
Phenol red		8.10	DMEM / F12 (1:1)		
Putrescin x 2HCl		0.081	with stable L-Glutamine		
Thymidine		0.36	with NaHCO ₃	500 mL	C4021.0500
Amino acids	L-Alanine	4.46	DMEM / F12 (1:1)		
	L-Arginine x HCl	147.35	without Glucose		
	L-Asparagine x H ₂ O	7.50	without L-Glutamine		
	L-Aspartic acid	6.66	with NaHCO ₃	500 mL	C4022.0500
	L-Cystine	24.00			
	L-Cysteine x HCl x H ₂ O	17.56	DMEM / F12 (1:1)		
	L-Glutamine	365.00	with L-Glutamine		
	L-Glutamic acid	7.36	with 15 mM Hepes		
	Glycine	18.76	with NaHCO ₃	500 mL	C4023.0500
	L-Histidine x HCl x H ₂ O	31.48			
	L-Isoleucine	54.37	DMEM / F12 (1:1)		
	L-Leucine	58.96	with L-Glutamine		
	L-Lysine x HCl	91.37	with 25 mM Hepes		
	L-Methionine	17.24	with NaHCO ₃	500 mL	C4257.0500
	L-Phenylalanine	35.48			
	L-Proline	17.27			
	L-Serine	26.26			
	L-Threonine	53.56			
L-Tryptophane	9.02				
L-Tyrosine	38.72				
L-Valine	52.66				
Vitamines	D(+)-Biotin	0.0035			
	D-Ca-Pantothenate	2.24			
	Cholinchloride	8.98			
	Folic acid	2.66			
	myo-Inositol	12.51			
	Nicotinamide	2.02			
	Pyridoxine x HCl	2.03			
	Riboflavine	0.219			
	Thiamine x HCl	2.17			
	Vitamine B12	0.68			