



MCDB153 Medium

MCDB153 Medium is designed for optimal growth of epithelial cells.
This medium contain FeSO₄ (5.0×10⁻⁶M) and ZnSO₄ (5.0×10⁻⁷M).

《composition》

Components	mg/L	Components	mg/L
L-Alanine	8.91	Thiamine•HCl	0.34
L-Arginine•HCl	210.67	Vitamine B12	0.41
L-Asparagine•H ₂ O	15	Choline chloride	13.96
L-Aspartic acid	3.99	Lipoic acid	0.21
L-Cysteine•HCl	37.83	Putrescine•HCl	0.16
L-Glutamic acid	14.7	thymidine	0.73
L-Glutamine	876	Adenine SO ₄	72.79
Glycine	7.51	NaCl	7597.2
L-Histidine	12.42	KCl	111.84
L-Isoleucine	1.97	CaCl ₂	3.33
L-Leucine	65.6	MgCl•6H ₂ O	122
L-Lysine•HCl	18.27	Na ₂ HPO ₄ (anhyd)	283.92
L-Methionine	4.48	Sodium pyruvate	55
L-Phenylalanine	4.95	D-Glucose	1080.96
L-Proline	34.54	Phenol red	1.17
L-Serine	63.05	HEPES	6700
L-Threonine	11.9	NaHCO ₃	1200
L-Tryptophan	3.06	CuSO ₄ •5H ₂ O	0.00275
L-Tyrosine	2.72	FeSO ₄ •7H ₂ O	1.39
L-Valine	35.15	MnSO ₄	0.00011
D-Biotin	0.015	(NH ₄) ₂ MO ₄ •4H ₂ O	0.00124
Folic acid	0.8	NiCl ₂ •6H ₂ O	0.00012
myo-inositol	18.02	Na ₂ SeO ₃	0.0052
Niacinamide	0.037	NaSiO ₃	0.061
D-Pantothenic acid•1/2Ca	0.238	SnCl ₂ •2H ₂ O	0.000113
Pyridoxine•HCl	0.062	NH ₄ VO ₃	0.00058
Riboflavin	0.038	ZnSO ₄ •7H ₂ O	0.144

《Size》 500ml

《Storage》

Please save it in a cool and dark space of the refrigeration (2-4 degrees Celsius).
Do not store at the freezer to avoid degradation.

《References》

- 1) Boyce S. T., and Ham R. G., J. Invest Dermatol. 81: 33-40 (1983)
- 2) Tsao M. C., Walthall B. J. and Ham R. G. :J. Cell. Physiol. 110: 219-229 (1982)

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Inspiration for Life Science

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