



For Cell Culture Use

Catalog No. CK016, CK017

MCDB153HAA Medium

Packaging

500 mL × 1 bottle / box (CK017)

1000 mL × 1 bottle / box (CK016)

MCDB153HAA Medium is a basal medium based on MCDB153 Medium, fortified with increased amounts of six amino acids: histidine, isoleucine, tryptophan, tyrosine, methionine, and phenylalanine. This medium serves as an excellent basal medium for the growth of a variety of epithelial cells, including human epidermal keratinocytes.

Composition (mg/L)

L-Alanine	8.91	Thiamine Hydrochloride	0.34
L-Arginine Hydrochloride	210.67	Vitamin B12	0.41
L-Asparagine (Monohydrate)	15	Choline Chloride	13.96
L-Aspartic Acid	3.99	Lipoic Acid	0.21
L-Cysteine Hydrochloride	37.83	Putrescine dihydrochloride	0.16
L-Glutamic Acid	14.7	Thymidine	0.73
L-Glutamine	876	Adenine sulfate	72.79
Glycine	7.51	Sodium chloride	7597.2
L-Histidine	49.67	Potassium Chloride	111.84
L-Isoleucine	100.36	Calcium chloride (anhydrous)	3.33
L-Leucine	65.6	Magnesium Chloride (Hexahydrate)	122.0
L-Lysine Hydrochloride	18.27	Disodium phosphate Sodium	283.92
L-Methionine	17.91	Pyruvate	55
L-Phenylalanine	19.82	D-Glucose (Anhydrous)	1080.96
L-Proline	34.54	Phenol Red	1.17
L-Serine	63.05	HEPES	6700
L-Threonine	11.9	Sodium Bicarbonate	1200
L-Tryptophan	12.25	Copper(II) Sulfate (Pentahydrate)	0.00275
L-Tyrosine	16.31	Ferrous Sulfate (Heptahydrate)	1.39
L-Valine	35.15	Manganese Sulfate (Monohydrate)	0.00011
Biotin	0.015	Ammonium Molybdate (Tetrahydrate)	0.00124
Folic Acid	0.8	Nickel(II) Chloride (Hexahydrate)	0.00012
Inositol	18.02	Sodium selenite	0.0052
Nicotinamide	0.037	Sodium silicate (anhydrous)	0.061
Calcium pantothenate	0.238	Stannous chloride (dihydrate)	0.000113
Pyridoxine HCl	0.062	Ammonium metavanadate	0.00058
Riboflavin	0.038	Zinc sulfate (heptahydrate)	0.144

《Directions for Use》

This is a sterile, ready-to-use, fully prepared liquid medium. By aseptically adding various cell growth factors and similar supplements, it can be used as a culture medium for cell proliferation.

《Storage》

Store refrigerated (2–4°C) in a cool, dark place. When kept refrigerated and unopened, performance is maintained until the date shown on the label (6 months after manufacture). Avoid frozen storage, as it may reduce performance. If warming is required, aseptically aliquot only the amount needed and warm at 37°C or below.

《Precautions for Use》

- This product is a culture medium for animal cells.
- Do not leave at room temperature or at 37°C for extended periods, as biological activity may be lost even within the expiration date.
- This product is a reagent for research use only. Do not use it on humans or for clinical diagnostic purposes under any circumstances.
- Contains trace amounts of a pharmaceutical toxic substance. Do not drink.

For research use only. Not for diagnostic use.



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