MCDB 131 (Glucose free), without L-glutamine

Cat. No.: PM151222

Size: 500mL

General Information

Product Form	Liquid
Concentration	1 ×
pH	7.2-7.4
D-Glucose	Negative
Sodium Bicarbonate ($NaHCO_3$)	1176 mg/L
L-Glutamine	Negative
HEPES	Negative
Phenol Red	12.4 mg/L
Sodium Pyruvate	1 mM
Storage	2-8°C, shading light
Shipping	Room Temperature
Expiration date	24 months

Background

MCDB is a low-protein and serum-free culture medium designed for specific cells. MCDB 131 is a kind of MCDB medium designed and developed by Knedler and Ham. It was originally used for culturing human microvascular endothelial cells (HMVEC). In addition to the use of MCDB 131 medium for endothelial cells, it also be used for other cell types, such as liver cells, smooth muscle cells, cardiomyocytes.

MCDB 131 culture medium is not used in traditional medium because it contains trace elements, putrescine, adenine, thymine, and higher concentrations of amino acids and vitamins. It is often used with EGF, hydrocortisone, glutamine and low-concentration serum together, and the added concentration of serum must be determined by cell type.

Notes

1. This product is only used for scientific research or further research, not for diagnosis and treatment.
2. This product is sterilized by 0.1 μm filtration.
3. It is necessary to pay attention to the aseptic operation and avoid the contamination.