

MCDB131 Medium, free of L-glutamine

Cat: C3231

Storage: 2~8°C, away from light.

Validity: 12 months

Product Parameters:

Appearance (trait) : Red clarified liquid

Source: non-animal source

Endotoxin: ≤ 1 EU/mL

Osmotic pressure: 260-320mOsm/kg

pH: 7.2-7.7

Serum addition: 10% fetal bovine serum

Culture conditions: 37°C, 5-10% CO₂

Cell type: human microvascular endothelial cells

Introduction:

MCDB 131 medium was developed by Knedler and Ham and was originally developed as a reduced serum culture for human microvascular endothelial cells (HMVEC). It has since been used to culture other cell types, such as hepatocytes, muscle cells, and smooth muscle cells.

MCDB 131 contains many components that are not present in traditional base media, such as trace elements, putputamide, adenine, thymidine, and higher levels of certain amino acids and vitamins. After adding these ingredients, only a small amount of serum or a component with a defined composition should be added to the medium. MCDB 131 medium does not contain protein or growth factors and usually requires supplementation with EGF, hydrocortisone, glutamine, and a small amount of fetal bovine serum. But the serum concentration needs to be optimized for each cell type. MCDB 131 culture medium uses a sodium bicarbonate buffered system and requires a 5-10% CO₂ environment to maintain physiological pH.

Notes:

1. The biochemical reagents produced by our company are basically non-aseptic packaging without special marks. If used in cell experiments, please pre-treat them in advance.
2. Once it is prepared into a solution, please pack it separately and store it to avoid product failure caused by repeated freezing and thawing.
3. The product information is for reference only. If you have any questions, please call 400-968-6088 for consultation.
4. This product is for scientific research only. Do not use for medicine, clinical diagnosis or treatment, food and cosmetics. Do not store in ordinary residential areas.
5. For your safety and health, please wear a laboratory coat, disposable gloves and a mask.