

RPMI-1640 Media

Cat# CM1017

Storage at 2-8 °C

INTRODUCTION

RPMI-1640 media is an improved McCoy's 5A Media, which uses bicarbonate buffer system. RPMI-1640 Media was originally designed for lymphocyte culture. Nowadays, it has been widely used in the culture of normal cells and cancer cells, especially suspension cells, which is one of the most widely used media. RPMI1640 Media contains many kinds of amino acids, vitamins, inorganic salts and other ingredients for cell culture, but does not contain protein, lipids or any growth factors. Therefore, the product should be used serum or serum-free additives. RPMI-1640 media doesn't contain proteins, lipids, or growth factors. Serum supplements are required before use, usually with 10% Fetal Bovine Serum (FBS) or **Specsure® Bovine Growth Serum**. Uses sodium bicarbonate buffer system (2 g/L), and therefore requires a 5% CO₂ environment to maintain physiological pH. Cells successfully cultured in RPMI-1640 media include cancer cell, astrocyte, MCF-7, Jurkat, PC-12, PBMC and HeLa.

Sterility	Sterile-filtered
Form	Liquid
Application (s)	Cell culture/ mammalian: suitable
Impurities	Endotoxin, tested
Components	D-glucose (2000mg/L) HEPES (-) L-glutamine (+) NaHCO ₃ (-) Phenol red (+)
Storage temp	2-8 °C

RELATED PRODUCTS

Specsure® Bovine Growth Serum (BGS)	ACE002	500 ml
MEM (Minimum Essential Media), Dry Powder Media	CM1006	1 L
MEM (Minimum Essential Media), Dry Powder Media	CM1007	10 x 1L
DMEM (Dulbecco's modified minimal essential Media, DMEM), Dry Powder Media	CM1009	1 L
DMEM (Dulbecco's modified minimal essential Media, DMEM), Dry Powder Media	CM1010	10 x 1L
Ham's F-12K Dry Powder Media	CM1012	1 L
Ham's F-12K Dry Powder Media	CM1013	10 x 1L
DMEM/F12 Dry Powder Media	CM1015	1 L
DMEM/F12 Dry Powder Media	CM1016	10 x 1L
RPMI-1640 Dry Powder Media	CM1018	1 L
RPMI-1640 Dry Powder Media	CM1019	10 x 1L
M-199 Dry Powder Media	CM1021	1 L
M-199 Dry Powder Media	CM1022	10 x 1L
Ham's F-10 Dry Powder Media	CM1031	1 L
Ham's F-10 Dry Powder Media	CM1032	10 x 1L
DMEM (Dulbecco's modified minimal essential Media, DMEM), Dry Powder Media, Low glucose	CM1033	1 L
DMEM (Dulbecco's modified minimal essential Media, DMEM), Dry Powder Media, Low glucose	CM1034	10 x 1L