

AG- Roswell Park Memorial Institute (RPMI)1640 Medium

INSTRUCTION FOR USE

AstraGene Roswell Park Memorial Institute (RPMI) 1640 Medium is suitable for culture of a variety of mammalian cells, including HeLa, Jurkat, MCF-7, PC12, PBMC, astrocytes, and carcinomas. RPMI 1640 Medium is unique from other media because it contains the reducing agent glutathione and high concentrations of vitamins. RPMI 1640 Medium contains biotin, vitamin B12, and PABA, which are not found in Eagle's Minimal Essential Medium or Dulbecco's Modified Eagle Medium. In addition, inositol and choline are present in very high concentrations. RPMI 1640 Medium contains no proteins, lipids, or growth factors. Therefore, RPMI 1640 Medium requires supplementation, commonly with 10% fetal bovine serum (FBS). RPMI 1640 Medium uses a sodium bicarbonate buffer system (2.0 g/L) and requires a 5–10% CO₂ environment to maintain physiological pH.

PACKAGE CONTENTS

Product	Catalogue No.
RPMI 1640, with L-Glutamine -500mL	AG/MEDIUM/RPMI-A/01
RPMI 1640, with L-Glutamine -1000mL	AG/MEDIUM/RPMI-A/02
RPMI 1640, with L-Glutamine, with 25 mM HEPES -500mL	AG/MEDIUM/RPMI-HA/01
RPMI 1640, with L-Glutamine, with 25 mM HEPES -1000mL	AG/MEDIUM/RPMI-HA/02

GUIDELINES FOR USE

- Ready-to-use commercial cell culture media undergoes strict quality control to ensure sterility but may become contaminated while handling. Follow these guidelines for sterile handling to avoid contamination.
- Always wipe your gloved hands and work area with 70% ethanol.
- Wipe the outside of the containers, flasks, plates, and dishes with 70% ethanol before placing them in the cell culture hood.
- Use sterile pipette tips and pipettes to work with liquids and use each pipette tip only once to avoid cross-contamination.
- Do not unwrap sterile pipettes until they are ready to be used. Keep pipettes and tips within the clean work area.
- Do not talk while performing sterile procedures and perform your cell culture as efficiently and carefully as possible to minimize contamination.

STORAGE &STABILITY

Store at 2-8°C, protect from light. The unopened medium is stable until the expiration date marked on its bottle.

SYMBOLS



Do not use if package is damaged



Manufacturer



Batch Code



CE mark of Conformity



Refer to the instructions



ISO



GMP



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