

Hydrocortisone

Cell culture supplement

Catalog # 07904

100 mg



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Product Description

Hydrocortisone is required for supplementation of the following media to give a final concentration of 10^{-6} M:

- MyeloCult™ H5100 (Human, Catalog #05100) or MyeloCult™ M5300 (Mouse, Catalog #05300), for long-term cultures and the long-term culture-initiating cell assay
- EpiCult™-B Medium (Human; Catalog #05601), for culture of human mammary luminal and myoepithelial cells
- MammoCult™ Medium (Human; Catalog #05620), for culture of mammospheres and tumorspheres

Properties

Storage: Store at -20°C .

Shelf Life: Store powder with a dessicant at -20°C .

Handling / Directions For Use

1. To prepare a 10^{-3} M solution of hydrocortisone, accurately weigh out 2.42 mg and dilute to 5 mL in Alpha MEM with Nucleosides (Catalog #36450). Alternatively, weigh out a small amount of powder and dissolve at a ratio of 1 mg of powder to 2 mL of medium.
2. Filter sterilize using a $0.2\ \mu\text{m}$ low protein binding filter.
3. Perform a further 1 in 10 dilution of this stock in Alpha MEM with Nucleosides to obtain a working stock solution of 10^{-4} M.
NOTE: If not used immediately, store the working stock solution at $2 - 8^{\circ}\text{C}$ for up to 1 week.
4. Add 1 mL of 10^{-4} M hydrocortisone to 100 mL of medium to achieve a final concentration of 10^{-6} M hydrocortisone.

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