

HEMATOGROW MEDIUM KIT

Product Type:	Hematogrow Medium
Catalog Number:	P60182

Product Description

HematoGrow Medium, when used with HematoGrow Supplement (HemGS) is a complete medium designed for short-term maintenance of hematopoietic cells in vitro, including bone marrow mononuclear and peripheral blood cells. It is a sterile, liquid medium which contains essential and non-essential amino acids, vitamins, hormones, organic and inorganic compounds and bovine serum albumin. The medium is HEPES and bicarbonate buffered and has a pH of 7.4 when equilibrated in an incubator with an atmosphere of 5% CO₂/95% air. This medium does not contain serum, growth factors or cytokines. Supplementation with additional factors may be used to support the proliferation or differentiation of select cell subpopulations.

Components

- 500 ml of Basal Medium
- 5 ml of Hematogrow Suppl. (HemGS)
- 5 ml of penicillin/streptomycin solution (P/S solution)
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Prepare for use

Thaw HemGS and P/S solution at 37°C. Gently tilt the HemGS tube several times during thawing to help the contents dissolve. **Make sure the contents of the supplement are completely dissolved into solution before adding to the medium.** Rinse the bottle and tubes with 70% ethanol, and then wipe to remove excess. Remove the cap, being careful not to touch the interior threads with fingers. Add HemGS, FBS and P/S solution into basal medium in a sterile field, mix well and then the reconstituted medium is ready for use. Since several components of this medium are light-labile, it is recommended that the medium not be exposed to light for lengthy periods of time. If the medium is warmed prior to use, do not exceed 37°C. When stored in the dark at 4°C, the reconstituted medium is stable for one month.

Caution

If handled improperly, some components of the medium may present a health hazard. Take appropriate precautions when handling it, including the wearing of protective clothing and eyewear. Dispose of properly.