




LEYDIG CELL MEDIUM

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| Product Type: | Leydig Cell Medium |
| Catalog Number: | P60138 |

Product Description

Leydig Cell Medium (LCM) is a complete medium designed for optimal growth of normal Human Leydig Cells *in vitro*. It is a sterile, liquid medium containing essential and non-essential amino acids, vitamins, organic and inorganic compounds, hormones, growth factors and trace minerals. The medium is serum-free. It 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. The medium is formulated (quantitatively and qualitatively) to provide a defined and optimally balanced nutritional environment that selectively promotes growth of normal Human Leydig Cells *in vitro*.

Components

-  500 ml of Basal Medium
-  5 ml of Leydig Cell Growth Supplement (LGS).
-  5 ml of penicillin/streptomycin solution (P/S solution)

Prepare for use

Thaw LCGS and P/S solution at 37°C. Gently tilt the LCGS tube several times to ensure the contents are completely dissolved before adding to the medium. Rinse the bottle and tubes with 70% ethanol and wipe to remove excess ethanol. In a sterile field, remove the cap, being careful not to touch the interior threads with fingers. Add LCGS and P/S solution to the medium and mix well. Since several components are light-labile, the medium should not be exposed to light for extended periods. We do not recommend warming medium in a 37°C water bath prior to use. When stored in the dark at 4°C, the reconstituted medium is stable for one month.

Note:

Due to bovine pituitary extract (BPE) in the growth supplement, the color may vary with different lots and formation of lipoproteins can result in precipitates. This does not affect the biological activity.