

## CARDIAC MYOCYTE MEDIUM KIT

**Product Type:** Cardiac Myocyte Medium (w/o FBS)




**Catalog Number:** P60103-SF

国内流通品はFBSを含んでおりません。別途、FBSを25mL添加してご使用ください。

### Product Description

Cardiac Myocyte Medium Kit (CMMK) is a complete medium designed for optimal growth of normal human cardiac myocytes *in vitro*. It is a sterile, liquid medium which contains essential and non-essential amino acids, vitamins, organic and inorganic compounds, hormones, growth factors, trace minerals and a low concentration of fetal bovine serum (5%). The medium is bicarbonate buffered and has a pH of 7.4 when equilibrated in an incubator with an atmosphere of 5% CO<sub>2</sub>/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 cardiac myocytes *in vitro*.

### Kit Components

-  500 ml of Basal Medium
-  5 ml of cardiac myocyte Growth Supplement (CMGS).
-  5 ml of penicillin/streptomycin solution (P/S solution)

別途、25mLのFBSを添加してください。

### Prepare for use

Thaw CMGS, FBS and P/S solution at 37°C. Gently tilt the CMGS 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 CMGS, 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 it properly.