

## TENOCYTE MEDIUM KIT

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<b>Product Type:</b>	Tenocyte Medium
<b>Catalog Number:</b>	P60177

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### **Product Description**

Tenocyte Medium (TCM) is a complete medium designed for optimal growth of normal human tenocytes *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 proliferation and growth of normal human tenocytes *in vitro*.

### **Components**

- 500 ml of Basal Medium
- 25 ml of Fetal Bovine Serum (FBS)
- 5 ml of Tenocyte Growth Supplement (TCGS)
- 5 ml of penicillin/streptomycin solution (P/S solution)

### **Prepare for use**

Thaw TCGS, FBS and P/S solution at 37°C. Gently tilt the TCGS 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 TCGS, 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.*