

## **Kubota's StemCell Growth Medium**

### **For Growth of Human Stem/Progenitor Cells of the Endodermal Lineage**

Kubota's Compete Serum-Free StemCell Growth Medium is formulated for optimal growth of stem/progenitor cells from the endodermal lineage. Kubota's StemCell Growth medium contains glutamine but no antibiotics. After serum-free supplement is added to the basal medium and filtered to ensure sterility, the medium is complete and ready to use for expansion of human stem/progenitor cells of the endodermal lineage (liver, pancreas, intestinal, lung).

#### **Making Kubota's StemCell Complete Growth Medium**

1. Kubota's StemCell growth serum-free medium (Cat.# 11001-250) includes the following components:
  - a. Kubota's StemCell Growth basal medium
  - b. Kubota's Serum-Free Supplement (contains glutamine)

#### **Preparing Kubota's StemCell Growth Medium**

1. Warm Kubota's StemCell Growth basal medium to room temperature
2. Thaw Kubota's Serum-Free Supplement
  - a. Aseptically add the Serum-Free Supplement to the basal medium - transfer entire contents of the vial then rinse the vial with basal medium
3. Antibiotics are optional and not included in the supplement pack
4. Filter through 0.22µm filter unit
5. Store the complete medium at 4°C in the dark until ready for use.
6. Warm the complete medium to room temperature immediately before use.
  - a. Do not leave the complete medium in a water-bath for longer than 5 minutes as this may result in degradation of the medium components

Note: Degradation of some components is toxic to immature stem/progenitor cells

7. Use complete medium within two weeks

**Use Restrictions:** The Products and components of the Products are to be used for RESEARCH PURPOSES only and are not for use in humans or animals. No rights expressed or implied are conveyed by the sale of the Products to make, have made, offer to sell or sell the Products alone or in combination with any other products or to use for commercial purposes without PhoenixSongs' prior written consent.