

MyoTonic™ Insulin-Free Serum-Free  
Growth Medium Kit  
Catalog #MK-6688



# MyoTonic™ Insulin-Free Serum-Free Growth Medium Kit

## Instructions for Use

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### Use Restrictions

**This product is distributed for research use only.** The use of this product is not approved for human or veterinary use. Do not use this product with in vitro diagnostics.

Buyer has no rights to transfer products, components, or materials made using these products, or to use these products for commercial purposes. Commercial purposes include: use of products or their components in manufacturing; use of products or their data components to provide a service, information or data; use of products or their components for therapeutic or diagnostic purposes; resale of products or their components.

### Aseptic Technique

The use of aseptic technique is required for all culturing activities. This includes the use of sterile materials and appropriate environmental conditions to ensure sterility when manipulating cultures and preparing reagents.

Use of reagent aliquotting, rather than repeated use of large volumes (e.g., entire bottle), along with the use of disposable materials/items is highly recommended. The use of vented culture flasks rather than loosened caps is highly recommended.

### Safety

This product may contain human source material. Treat as potentially infectious. Handle at Biological Safety Level 2 to minimize exposure to potentially infectious agents.

### Required Reagents

The following reagents are required for preparation of complete Cook MyoSite MyoTonic™ cell culture growth medium. Use of substitute media or reagents may result in poor culture growth and/or performance.

- MyoTonic™ Insulin-Free Serum-Free Growth Medium Kit, **Cook MyoSite Catalog #MK-6688**

Kit Contains:

MyoTonic™ Insulin-Free Basal Medium, **Cook MyoSite Catalog #ML-6666**

MyoTonic™ Serum-Free Growth Supplement, **Cook MyoSite Catalog #MS-8888**

- Fetal Bovine Serum (FBS) (**not supplied**)
- Antibiotic reagent(s), if desired (**not supplied**)

## Culture Medium Preparation

1. Thaw MyoTonic™ Serum-Free Growth Supplement and 50mL FBS at 37°C until completely thawed. **Note:** For optimum performance of medium, do not let supplement or FBS remain at 37°C past initial thawing.
2. Add entire contents of thawed MyoTonic™ Serum-Free Growth Supplement and 50mL FBS to MyoTonic™ Insulin-Free Basal Medium, along with antibiotic reagent(s) if desired.
3. Store complete MyoTonic™ growth medium (basal medium with supplements and FBS added) at 2-8°C. Note: Complete medium expires 30 days following preparation. Use of complete medium past this expiration may result in poor culture growth and/or performance.

## Cell Culture Maintenance

1. Cell cultures should be examined every day and maintained at  $\leq 50\%$  confluence (i.e., the amount of surface area occupied by the cells).
2. Culture medium should be changed every other day if passaging does not occur within this time.
3. Prepare aliquots of warm culture medium for each culture medium change.

## Additional Information

We offer this product for customers who wish to use locally-sourced FBS. Please note that FBS must be added prior to use to ensure proper media performance.

Primary cultures have a finite lifespan and limited number of population doublings in vitro. Cook MyoSite cryopreserved cells and associated reagents are tested prior to shipment for contaminating agents. Contamination of cell cultures may affect cell growth, function and behavior.

For detailed information concerning Quality Control testing and specifications, please refer to Certificate of Analysis.

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