



## Muscle Cellutions Differentiation Medium

### Product Information

**Catalog Number**      **ASM-6008 (100 mL)**  
                                 **ASM-6009 (500 mL)**

**Description**            Applied StemCell has developed the Muscle Cellutions Differentiation Medium for the terminal differentiation of human skeletal muscle myoblasts. This medium formulation is designed to get the optimal amount of myocytes from our myoblasts at any developmental stage. Our Muscle Cellutions Differentiation Medium has been tested and optimized using our various normal and diseased myoblasts. When used in conjunction with our cells, this medium is guaranteed to induce optimal differentiation.  
Muscle Cellutions Differentiation Medium contains animal-derived products.

**Sizes**                    100 mL (ASM-6008) and 500 mL (ASM-6009)

**Shipping and Handling**      Cardiomyocyte Cellutions Maintenance Medium is shipped at 4°C. Upon arrival, place into 4°C. Medium is light-sensitive, and therefore, caution must be taken when exposing it to light.

**Storage and Stability**      Store in the dark. Long term storage at 4°C. Stable at 4°C for 1 year without growth supplements. Stable at 4°C for 30 days with growth supplements.

**Quality Control**            Our media undergo sterility testing to assure they are free from bacterial and fungal contamination. The Muscle Cellutions Differentiation Medium has been tested via culture systems that have been optimized for myoblast differentiation. This leads to optimal growth parameters. In addition, pH, osmolality, endotoxin testing, and other parameters are evaluated in order to meet the standards required for optimal differentiation of myoblasts.

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Figures With Medium

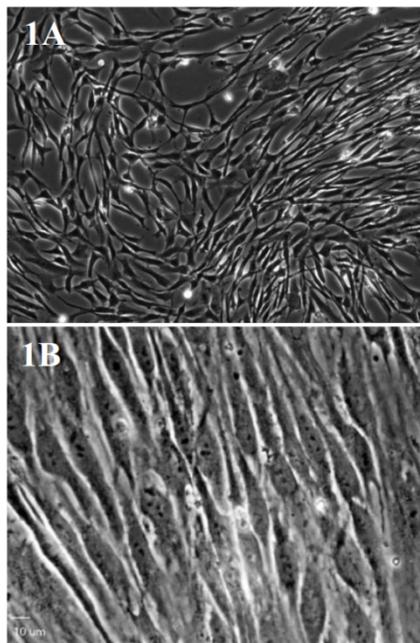


Figure 1

- A. Applied StemCell's Human Skeletal Muscle Progenitor Cells (Myoblasts) (DMD) (cat. no. ASE-5065)
- B. Myoblasts 13 days after terminal differentiation

**Warranty**

Applied StemCell is committed to providing only superior-quality research products. Our products are specifically intended for research purposes only and are guaranteed to perform according to documented product specifications. Full warranty information for the products may be requested from our technical support or sales team at the numbers provided below.

**Restricted Use**

MEDIA ARE FOR RESEARCH USE ONLY. Not approved for human or veterinary use, *in vitro* diagnostics, or clinical procedures.

**WARNING**

The accompanying product contains animal-derived materials.

**References**

1. Gayraud-Morel et al. (2009). Skeletal muscle as a paradigm for regenerative biology and medicine. *Regenerative Medicine*. 4(2): 293-319.
2. Gharaibeh et al. (2008). Isolation of a slowly adhering cell fraction containing stem cells from murine skeletal muscle by the preplate technique. *Nature Protocols*. 3(9): 1501-09.
3. Oksbjerg et al. (2004). Basic principles of muscle development and growth in meat-producing mammals as affected by the insulin-like growth factor (IGF) system. *Domestic Animal Endocrinology*. 27(3): 219-40.