



Stromal Cellutions Medium

Product Information

Catalog Number **ASM-6003 (100 mL)**
 ASM-6004 (500 mL)

Description Applied StemCell has developed the Stromal Cellutions Medium for the optimal growth and expansion of stromal cells and mononuclear cells. This medium formulation is also ideal for use with mesenchymal like cells that have been isolated from different human tissues at various developmental stages. This medium formulation is designed specifically to get the optimal growth from our stromal and mononuclear cells. Our Stromal Cellutions Medium has been tested and optimized using our cells and various others in order to ensure its performance. When used in conjunction with our cells, this medium is guaranteed to maintain the optimal growth/maintenance of our cells. This media formulation is made without phenol red. Stromal Cellutions Medium contains animal-derived products.

Sizes 100 mL (ASM-6003) and 500 mL (ASM-6004)

Shipping and Handling Stromal Cellutions 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.

Shelf Life 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 complete medium has been tested and shown to support optimal growth of human cardiomyocytes. In addition, pH, osmolality, endotoxin testing, and other parameters are evaluated in order to meet the standards required for optimal growth of cardiomyocytes.

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Figures With Medium

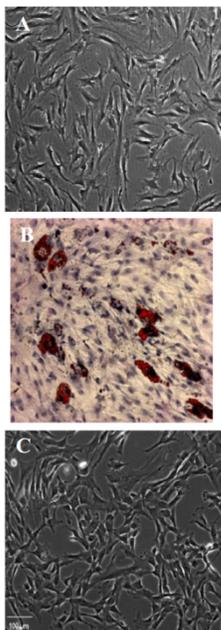


Figure 1

- A. Bone marrow stromal cells (phase contrast)
- B. Bone marrow stromal cells differentiated into adipocytes
- C. Umbilical cord cells (phase contrast)

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. Giordano et al. (2006). From the laboratory bench to the patient's bedside: an update on clinical trials with mesenchymal stem cells. *Journal of Cellular Physiology*. 211: 27-35.
2. Gonzalez et al. (2007). Pluripotent marker expression and differentiation of human second trimester Mesenchymal Stem Cells. *Biochemical and Biophysical Research Communications*. 362(2): 491-7.
3. Prockop D. J. (2007). "Stemness" does not explain the repair of many tissues by mesenchymal stem/multipotent stromal cells (MSCs). *Clinical Pharmacology and Therapeutics*. 82(3): 241-3.