

**hMSC Basal Medium**  
*Cell Culture Medium***Catalog No.:** CM023

**Description:** The serum-free basal medium for mesenchymal stem cells (MSCs) is specifically formulated to support the growth and maintenance of MSCs in culture without the need for animal-derived serum. This medium is carefully designed to provide essential nutrients, growth factors, and necessary ions to promote the proliferation and viability of MSCs, while minimizing the risk of contamination and variability associated with serum. The basal medium requires supplementation with the hMSC Essential (Catalog No: CC130), a specialized supplement that further enhances MSC growth and functionality. By using a serum-free medium supplemented with the hMSC Essential, researchers can achieve more consistent and reproducible results in experiments, particularly when isolating MSCs or preparing them for clinical applications. The basal medium, along with the hMSC Essential supplement, creates optimal conditions for MSC growth and differentiation, supporting both basic research and therapeutic applications.

**Product Type:** Sterile filtered**Package Size:** 500 mL**pH:**  $7.2 \pm 0.2$ **Osmolarity:**  $315 \pm 15$  mOsm/kg**Endotoxin:**  $< 0.5$  EU/mL**Storage:** Store at 2-8°C in a dark place.**FOR RESEARCH USE ONLY, NOT FOR USE IN DIAGNOSTIC AND THERAPEUTIC PROCEDURES**

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