

PRODUCT INFORMATION SHEET:

Renaissance Mesenchymal Stem Cell Media (REM-MSC)

V1.2 11-29-21



PRODUCT DESCRIPTION

Renaissance Mesenchymal Stem Cell Medium (REM-MSC) is a cell line derivation and maintenance medium specifically formulated for the extended *in vitro* propagation of mesenchymal stem cells derived from various tissue types.

ORDERING INFORMATION

PRODUCT NAME	CATALOG NUMBER	COMPONENTS	PART NUMBER	SIZE
Renaissance Mesenchymal Stem Cell Media (REM-MSC)	CM-0201	MSC Basal Medium	CM-0001-A1	500 mL
		MSC Supplement	CM-0201-P1	15 mL

PRODUCT HANDLING AND DIRECTIONS FOR USE

REM-MSC Complete Serum-Containing Growth medium contains glutamine and all necessary components for growth but no antibiotics. After the supplement is added to the basal medium and filtered to ensure stability, the medium is complete and ready to use for expansion of human mesenchymal stem cells (MSC). MSCs grow best when cultured in a humidified incubator set at 5% CO₂, 5% O₂ at 37 degrees C.

PREPARING REM-MSC GROWTH SERUM-CONTAINING MEDIUM

1. Warm the basal medium to room temperature.
2. Thaw the contents of the frozen supplement.
3. Aseptically add the supplement to the basal medium.
4. Antibiotics are optional and not included in the supplement.
5. Filter through 0.22µm filter unit.
6. Store complete medium at 4 degrees C in the dark until ready for use.
Note: Aliquoting the complete medium is recommended.
7. Warm the aliquots of complete medium to room temperature before use.
Note: Leaving the complete medium in a water bath for more than 5 minutes may result in degradation of growth factors and glutamine.
8. Use complete medium within two weeks for optimal performance

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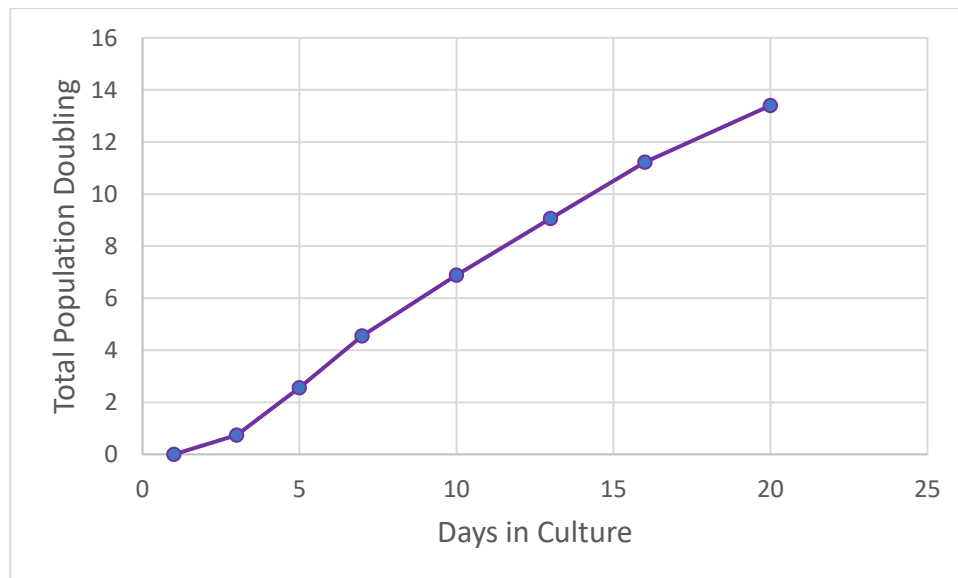
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MSC PASSAGING PROTOCOL:



GROWTH PERFORMANCE:



STORAGE & STABILITY:

Upon arrival, store basal medium at 4°C. Store supplement at -20°C. The separate components are stable for a minimum of 6 months from date of receipt when stored as directed.

ADDITIONAL MEDIA INFORMATION

Osmolarity: 275-285

Glucose Content: 3.151 mg/mL

Serum Content: 5%

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NOTES & USAGE TIPS:

1. **Use at least 0.4 mL of Mesenchymal Stem Cell Medium per cm² culture surface area.** Note: Limiting the culture medium volume will negatively impact culture health.
2. **Use medium color as an indicator to determine when to change the medium.** Replace the medium when it becomes pink to replenish nutrients and maintain a stable pH.

NOTICE TO PURCHASER:

This product is intended for academic research purposes only, and not intended for diagnostic or therapeutic use.