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## Certificate of Analysis

### Cryopreservation Media

Catalog No. CRYO-10001-50  
Lot Number: 130307c01Preparation Date: 2013-03-07  
Size: 50ml

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### Kit Components

Containing 50 ml of Cryopreservation Medium (Cat. No. CRYO-10001) , pH 7.2~7.4. Store at -20 °C.

### Sterility

Bacterial and Fungal Contamination: Samples are inoculated and cultured in blood agar plate, thioglycolate broth, tryptocase soy broth and sabouraud dextrose agar.

Specification: No growth must be observed.

Mycoplasma: Samples are tested for mycoplasma contamination using a PCR-based assay and direct culture.

Specification: Results must be negative.

Endotoxin: Samples are tested for endotoxin contamination with LAL test.

Specification: Results must show a concentration of  $\leq 25$  EU/ml.

### Cell Recovery Rates Testing

Each batch of cryopreservation medium is performance tested on sprague-dawley rat mesenchymal stem cells. The cells are assayed for viability and recovery after thawing. The results of these tests must indicate  $\geq 90\%$  of cells are viable.

### Results:

All specifications have been met.



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