

---

## Certificate of Analysis

### Cryopreservation Media

Catalog No. CRYO-10001-20

Lot Number: 111220c01

Preparation Date: 2011-12-20

Size: 20ml

---

### Kit Components

Containing 20 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  $\leq 25\text{EU/ml}$ .

### 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:

Meet all specifications



---

Jane Chen  
QA Manager  
Aug 6, 2012