

---

## Certificate of Analysis

**Animal Protein Free Dissociation Reagent**

Catalog No. APFD-10001-100

Lot Number: 120713c01

Preparation Date: 2012-7-13

Size: 200ml

---

### **Sterility**

Bacterial and Fungal Contamination: Samples are inoculated and cultured on 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 direct culture.

Specification: Results must be negative.

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

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

pH: 7.0~7.2, at 25 °C.

### **In-vitro bioassayed**

An in-vitro bioassayed is performed tested on human mesenchymal stem cell. When cells are removed from the substratum with the dissociation reagent, cell removal times are less than two minutes, and they can maintain the normal morphology.

### **Results:**

All specifications have been met.

---

*Jane Chen*

Jane Chen

QA Manager

Aug 2, 2012