

# Certificate of Analysis

**Product Name:** Cartilage RNA Isolation Kit

**Catalog No.:** K2031010

**Shipping:** Room Temperature

**Storage Condition:** See product manual for specific storage temperature--different components stored at different temperatures

**Shelf Life:** One year from the date of receipt under proper storage condition

## Description

Cartilage RNA Isolation Kit contains 4 special solutions for specifically RNA isolation from different cartilage tissues. The isolated cartilage total RNA can be used for cDNA library construction, subtracted probe generation, RT-PCR, Northern blot analysis, primer extension, RNA protection assay, and In vitro translation.

## Quality Control

Mouse Cartilage total RNA was isolated from each lot.

1. The integrity of the RNA is examined by visual inspection for the presence of intact bands of 18s and 28s ribosomal RNA when electrophoreses on a denaturing agarose gel.
2. The quality and purity of total RNA were tested by spectrophotometer.  $A_{260}/A_{280}$  is between 1.8 and 2.0 (detected in 10 mM Tris-Cl, pH 7.5).
3. The RNA is treated by DNase I, and is tested as DNA free RNA by PCR.
4. cDNA synthesis is successfully performed by using this RNA as template.

**FOR IN VITRO RESEARCH USE ONLY**

**APPROVED BY:** 