

mRNA Certificate of Analysis

Product Name: mRNA

Catalog No.: MXXXXXXX

Shipping Condition: Dry Ice

Storage Condition: -70°C

Description

mRNA is purified from high quality of total RNA using a modified oligo (dT) cellulose method and stored in DEPC treated water. Total RNA is isolated by a modified guanidine thiocyanate method.

Quality Control

1. The quality and purity of mRNA is tested by spectrophotometer. A_{260/280} is between 1.8 and 2.0 (detected in 10mM Tris-Cl, pH 7.5). The integrity of mRNA is checked by electrophoresis on a denaturing agarose gel with a smear from 0.5 Kb up to more than 9.0 Kb.
2. The RNA used for mRNA isolation is treated by DNase I, and is tested as DNA free RNA by PCR.
3. cDNA synthesis is successfully performed by using this mRNA as template.

FOR RESEARCH USE ONLY

APPROVEDBY: _____