

Certificate of Analysis

Product Name: Dr.P kit-Isolation of RNA, DNA and Protein from the same piece of tissue simultaneously

Catalog No.: K2021010

Lot No.: _____

Shipping Condition: Blue ice

Storage Condition: Room temperature, 4°C, or -20 °C, see user manual for detail.

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

Description

In order to study the function of DNA, RNA, protein and their relationship, it is very important to get RNA, DNA and protein from the same piece of tissue. Dr.P kit, a patent pending technology, provides a convenient and efficiency system for isolation of RNA, DNA and protein from the same piece of tissue simultaneously. The isolated RNA can be used for mRNA isolation, probe generation, RT-PCR, Northern blot analysis, primer extension, RNA protection assay, and In vitro translation. The isolated DNA can be used for PCR amplification. And the isolated protein can be used for Western Analysis.

Quality Control

A representative kit from the same lot is randomly selected for isolation of RNA, DNA and protein. The quality and purity of isolated total RNA were tested by spectrophotometer. $A_{260/280}$ is between 1.8 and 2.0 (detected in 10 mM Tris-Cl, pH 7.5). 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. Beta-actin gene, 838 bp fragment, is successfully amplified from the isolated genomic DNA. And the isolated protein's quality is ensured by Western blotting analysis with anti-GAPDH antibody.

Components:

1. One Dr.P kit
2. Certificate of Analysis
3. One User Manual
4. MSDS

FOR IN VITRO RESEARCH USE ONLY

APPROVED BY: _____

