



# CiS-RNA Plant, Cell&Tissue Total RNA Kit Datasheet

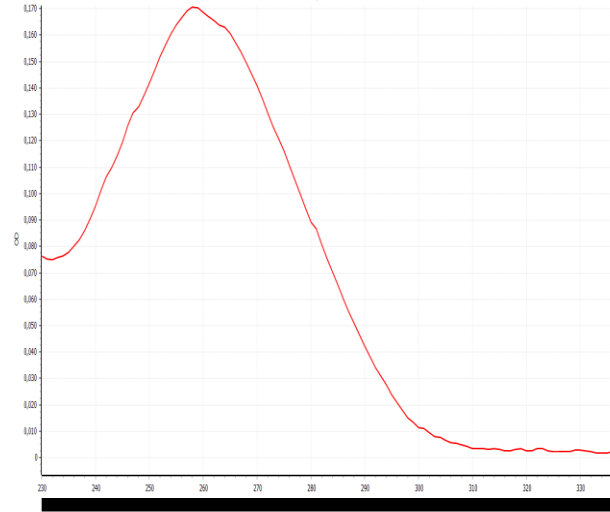
Cat RPT0116-10, RPT0116-50, RPT0116-100

CiS-RNA Plant, Cell&Tissue Total RNA kit helps you to prepare high-yield and intact RNA from any plant and animal species without using hazardous chemicals (phenol, chloroform, etc.).

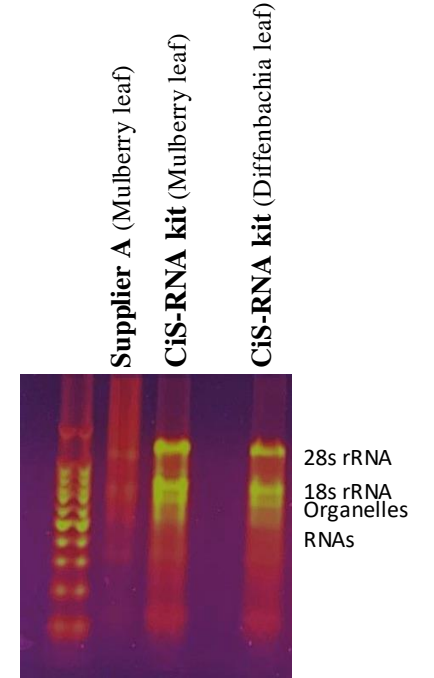
Though liquid nitrogen is capable of increasing the RNA yield and preventing degradation, CiS-RNA kit can also extract total RNA by using an ice-cold mortar and pestle apparatus, even the hardest leaves, seeds, and viscous tissues can be homogenized in our CiS-RNA RBB Buffer system.

RNA extracted using CiS-RNA kit procedures is mostly free of DNA contamination, however, an in-column DNase I digestion can be directly applied into the spin-column before the washing step.

Average RNA yields are 16-28  $\mu\text{g}$  RNA in 60-80  $\mu\text{l}$  final eluate obtained from 30-80 mg plant, tissue, and cell ( $1 \times 10^6$ - $10^9$ ) material when samples are treated with in-column DNase I. However, without DNase I treatment, RNA yield increases up to 30-40  $\mu\text{g}$ .



$A_{260}/A_{230}$ : 2.0-2.2  
 $A_{260}/A_{280}$ : 1.95-2.1  
(Dilution: 1:50)



Comparison of CiS-RNA kit and other supplier. Total RNAs were isolated from different species. Samples were run on agarose gel (0.75%, 0.5 X TBE buffer).

**Caution:** Please pay attention to wearing a lab coat, gloves, and protective goggles.

CiS-RNA spin-columns and buffers can be stored at room temperature for at least one year.