CiStrozol (Trizol) Datasheet

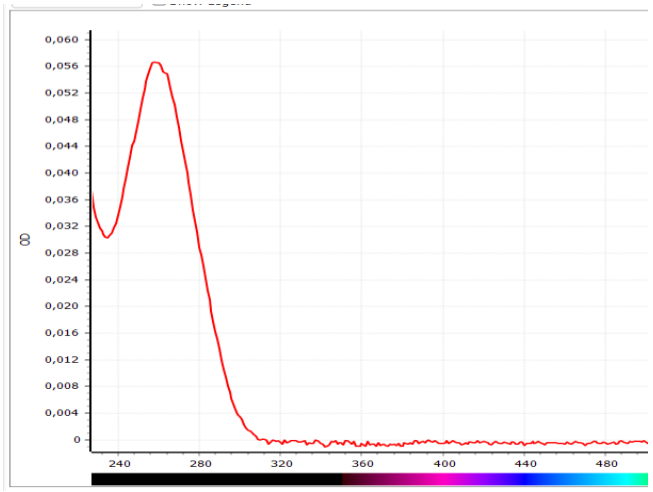
Cat T0116-100

CiStrozol reagent is a ready-to-use reagent for extracting high-yield, pure, and intact RNA, DNA, and protein from various samples including animal and plant tissue, cell culture, bacteria, and fungal samples within minutes. CiStrozol reagent is prepared for rapid and high-volume isolation of nucleic acid molecules and compatible with our **spin-column-based CiS-DNA and CiS-RNA purification kits (*please see our catalog*).**

CiStrozol has a superior lysis effect even on hard samples and researchers may optimize their formulations for different sample types, i.e. cell lines, viral samples, bacteria, or fungae. CiStrozol can extract human DNA and pathogen/viral nucleic acids from fresh, wet, or air-dried samples or stored samples at -80 °C. There is no need to use glass beads or grinders to disrupt the tissue sample. However, as you can see in the application notes and protocol, thick cell walls in yeast and other fungal organisms may need further disruption with freeze-thaw cycles and glass beads.

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

Average RNA-DNA yields are 35-80 µg RNA and 10-20 µg DNA from various samples.



A_{260}/A_{280}: 1.95-2.1
A_{260}/A_{230}: 1.9-2.2
(Dilution: 1:50)

RNA molecules from tissue 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.

CiStrozol can be stored at room temperature for at least two years.