

 CORIELL INSTITUTE <small>FOR MEDICAL RESEARCH</small>	RNA FAQ FOR SHIPPED RNA SAMPLES	Implementation Date: 10/08/2024
	Document Number Form 0700-59	Revision Number: B-100824

1. How is RNA extracted?

Total RNA is extracted from a cell pellet using a Qiagen RNeasy kit according to the manufacturer’s recommendations.

2. How is RNA quality control performed?

A260/280 and A260/230 ratios were determined by using a UV – spectrometer and an Invitrogen Qubit RNA BR kit is used to determine the concentration of total RNA.

RNA quality was further assessed by analysis on the Agilent 4200 TapeStation using the RNA ScreenTape®. The RNA Integrity Number (RIN) is measured in a range from 1 to 10. A RIN of 10 is the greatest and indicative of very high quality RNA.

3. What is RNA dissolved in?

RNA is suspended in Nuclease-free water.

4. How is RNA shipped?

RNA is shipped on dry ice and should remain frozen until ready to use.

5. How should RNA be stored?

RNA should be stored at -80°C upon arrival.