

BiOstic® Stabilized Blood RNA Isolation Kit



Overview

For isolation of total RNA from blood, buffy coat cells, bone marrow, and PAXgene™ Blood RNA Tube* collected samples.

Related Products

[UltraClean® BloodSpin™ DNA Isolation Kit](#)

[Vortex Adapters for Vortex-Genie® 2](#)

[RNase-Free Gloves](#)

Features

- Greater RNA yield compared to other PAXgene™ blood RNA tube extraction methods
- Enhanced mechanical lysis using our novel silica carbide DNA shearing column breaks down viscosity and releases more RNA for binding
- Proprietary cell pellet wash buffer ensures recovery and integrity of cells before extraction
- Available in 20, 50 or 100 prep sizes
- Complete and ready-to-use kit includes DNase I and prepared wash buffer for more consistent results

Description

The BiOstic® Stabilized Blood RNA Isolation Kit is designed for high yield isolation of total RNA from whole blood collected in PAXgene™ Blood RNA Tubes*. A ready-to-use and specially formulated wash buffer ensures reliable and complete collection of cells at the start of the protocol and a novel silica carbide DNA shearing column provides more complete RNA solubilization and release for increased binding. Due to these improvements, the BiOstic® Stabilized Blood RNA Isolation Kit will purify total RNA from 2.5ml of stabilized blood with higher yields as compared to competitor kits (e.g. Competitor Q PAXgene™ Blood RNA kit). The BiOstic® Stabilized Blood RNA Isolation Kit is sold for research use only. *Kit does not include PAXgene™ tubes. PAXgene™ is a registered trademark of Qiagen

Cat # 12231

Specifications

Format Silica Spin Filter Tubes

Method Enzymatic and bead homogenization

Sample Size One PAXgene™ Blood RNA Tube

Binding Capacity Up to 20 µg per spin filter

Time 65 minutes

Equipment Required Vortex, centrifuge, and water bath or heat block

Storage Conditions

Remove lyophilized DNase I and store at 4°C. Proteinase K is stable at room temperature. For prolonged storage, place the Proteinase K at 4°C. Store all other reagents and kit components at room temperature (15-30°C). Note: After resuspension, store DNase I at -20°C (DNase I is sensitive to physical denaturation. Do not vortex the resuspended DNase I).

Kit Components

Component	12231-50
<u>Solution PX1</u>	220 ml
<u>Solution PX2</u>	20 ml
<u>Solution PX3</u>	20 ml
<u>Solution PX4</u>	20 ml
<u>Solution PX5</u>	46 ml
<u>Solution PX6</u>	3 ml
<u>Solution PX7</u>	2 x 28 ml
<u>Solution PX8</u>	6 ml
<u>DNase I (RNase-Free)</u>	1500 units
<u>Proteinase K Solution</u>	2.25 ml
<u>Carbide Bead Tubes</u>	50
<u>Spin Filters</u>	50
<u>2 ml Collection Tubes</u>	150
<u>DNA Shearing Columns</u>	50