

## Product Sheet

# RNAprotect<sup>®</sup> Animal Blood Tubes

For collection and RNA stabilization of animal blood

## Contents

RNAprotect Animal Blood Tubes	(50 x 100 µl)	(50 x 500 µl)
<b>Cat. no.</b>	<b>76544</b>	<b>76554</b>
RNAprotect Animal Blood Tubes	50	50

**Important:** The tubes are part of the RNeasy<sup>®</sup> Protect Animal Blood System. After blood is collected and stabilized in the tubes, RNA must be purified using the RNeasy Protect Animal Blood Kit. For details, see the *RNeasy Protect Animal Blood Handbook*.

## Storage

The tubes are stable for at least 9 months when stored at 15–25°C. Do not reuse the tubes.

## Procedure

1. Ensure that the tube is at room temperature (15–25°C) and labeled.
2. Prepare the animal for blood collection (e.g., by tail, ear or saphenous vein puncture), and immediately add 100 µl blood to an RNAprotect Animal Blood Tube (100 µl), or 500 µl blood to an RNAprotect Animal Blood Tube (500 µl).



Fill blood up to about here in an RNAprotect Animal Blood Tube (100 µl)



Fill blood up to about here in an RNAprotect Animal Blood Tube (500 µl)

**Note:** Do not collect more or substantially less than these volumes.

3. Immediately close the tube, and gently invert it 8–10 times. Store upright at 15–25°C for up to 48 h; at 2–8°C for up to 14 days; or at –15 to –30°C or below for several months.

**Note:** To ensure efficient cell lysis, the tube must be kept at 15–25°C for at least 2 h. This can be done before placing the tube in cold storage, or after removing it from cold storage.

#### 4. Purify RNA using the RNeasy Protect Animal Blood Kit.

If the tube is frozen, thaw for about 2 h at 15–25°C (never above 25°C). Then carefully invert the thawed tube 10 times. Incubate the tube for at least another 2 h at 15–25°C if it was not kept at 15–25°C for at least 2 h before freezing.

## Safety Information

When working with chemicals, always wear a suitable lab coat, disposable gloves and protective goggles. For more information, please consult the appropriate safety data sheets (SDSs). These are available online in convenient and compact PDF format at [www.qiagen.com/safety](http://www.qiagen.com/safety) where you can find, view and print the SDS for each QIAGEN kit and kit component.

## Ordering Information

Product	Contents	Cat. no.
RNAprotect Animal Blood Tubes (50 x 100 µl)	50 tubes for stabilizing 100 µl animal blood	76544
RNAprotect Animal Blood Tubes (50 x 500 µl)	50 tubes for stabilizing 500 µl animal blood	76554
RNeasy Protect Animal Blood Kit (50)	For 50 preps: RNeasy MinElute® Spin Columns, QIAshredder Spin Columns, Collections Tubes, Proteinase K, RNase-Free DNase and RNase-Free Reagents and Buffers; to be used with RNAprotect Animal Blood Tubes	73224

RNAprotect Tubes and the RNeasy Protect Animal Blood Kit are intended for molecular biology applications. These products are not intended for the diagnosis, prevention, or treatment of a disease. For up-to-date licensing information and product-specific disclaimers, see the respective QIAGEN kit handbook or user manual. QIAGEN kit handbooks and user manuals are available at [www.qiagen.com](http://www.qiagen.com) or can be requested from QIAGEN Technical Services or your local distributor.

## Revision History

Document	Cover date	Description of changes
HB-0150-001	January 2009	Initial release
HB-0150-002	March 2018	Removed references to miRNeasy kits; updated ordering information, safety information and template

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