



AccuRT Genomic DNA Removal Kit

Store at -20°C

Cat. No.	Description	Quantity
G488	AccuRT Genomic DNA Removal Kit	200 reactions

Product Description

abm's AccuRT Genomic DNA Removal Kit offers a quick and easy method to eliminate genomic DNA (gDNA) contamination in RNA samples. This kit employs a brief reaction of your RNA sample with the enclosed Reaction Mix that will effectively remove gDNA without loss or degradation of RNA. The treated gDNA-free RNA is ready for any downstream application such as RT-PCR and qRT-PCR using **abm's** cDNA synthesis or RT-PCR reagents.

Features and Benefits

- Fast and easy procedure completed within 10 minutes
- Complete and effective genomic DNA removal without compromising RNA quality
- No heat inactivation required
- Compatible with various downstream applications

Kit Components

Components	Part No.	Size
AccuRT Reaction Mix (4X)	G488-1	200 µl
AccuRT Reaction Stopper (5X)	G488-2	200 µl

Shipping and Storage

Store all components at -20°C.

Protocol

Note: Minimize RNA degradation by setting up all reactions on ice.

1. Thaw template RNA on ice. Thaw AccuRT Reaction Mix (4X) at room temperature (15–25°C) and spin briefly to collect residual liquid from the sides of the tubes. Keep on ice.

2. Set up the genomic DNA removal reaction according to Table 1, mix and keep on ice.

Table 1. Genomic DNA removal reaction components

Components	Volume		
RNA template	Up to 1 µg	Up to 2 µg	Up to 4 µg
AccuRT Reaction Mix (4X)	1 µl	2 µl	4 µl
RNase-free H ₂ O	Varies	Varies	Varies
Total reaction volume	4 µl	8 µl	16 µl

3. Incubate at room temperature for 5 min or at 42°C for 2 min. If more than 2 µg of RNA sample is used, incubate at room temperature for 10 min or at 42°C for 4 min.
4. After incubation, immediately add the Reaction Stopper (5X) into the reaction tube diluted 1:5 and mix thoroughly.

Table 2. Volume of AccuRT Reaction Stopper to add to the reaction

Components	Volume		
Reaction volume from Step 2	4 µl	8 µl	16 µl
AccuRT Reaction Stopper (5X)	1 µl	2 µl	4 µl
Total reaction volume	5 µl	10 µl	20 µl

Note: We recommend to use the lower volume reaction setup to minimize any adverse effects on downstream applications caused by excessive kit reagents.

5. Purified RNA samples can now be stored in -80°C for a short time or used directly in downstream applications.

Recommended abm's Downstream Kits:

- OneScript® cDNA Synthesis Kit: Cat. No. **G233**
- OneScript® Plus cDNA Synthesis Kit: Cat. No. **G235**
- One-Step RT-PCR Kit: Cat. No. **G174**
- One-Step EvaGreen qRT-PCR Kit: Cat. No. **G471**



All **abm** PCR, RT-PCR, and qPCR products are ISO 13485:2003 and 13485:2012 certified as diagnostic grade and in compliance with all regulatory requirements for the design and manufacture of medical devices, as outlined by the International Organization for Standardization (ISO). For technical questions, please email us at technical@abmGood.com or visit our website at www.abmGood.com.