Quick-Start Protocol January 2017

DNase Max® Kit

The DNase Max Kit is stable for up to 6 months at room temperature (15–30°C) and for 2 years at 2–8°C with no loss of enzyme activity. We recommend storing this kit at 2–8°C.

Further information

- Safety Data Sheets: **www.qiagen.com/safety**
- Technical assistance: **support.qiagen.com**

Notes before starting

- DO NOT VORTEX the DNase I. It will denature the enzyme and decrease its activity.
- Just before use, resuspend the DNase Removal Resin by inverting or vortexing until the slurry is homogeneous.

DNase Reaction

1. Mix 1 µl of DNase I enzyme (10 units) and enough 10X DNase Buffer to achieve a final concentration of 1X DNase Buffer in the digestion reaction.
   Examples: For 50 µl digestion reactions, use 1 µl of DNase I enzyme and 5 µl of 10X DNase Buffer. For 100 µl reactions, use1 µl DNase I enzyme and 10 µl of 10X DNase Buffer.
2. Bring the reaction to final volume using RNase-free water (provided). Mix by pipetting up and down.
3. Incubate at 37°C for 20 min.

DNase Removal

4. Add 5 µl of homogeneous DNase Removal Resin per 10 units of DNase I for a 50 µl reaction, or 10 µl of DNase Removal Resin for every 100 µl reaction, whichever is greater.

5. Incubate for 10 min at room temperature. Invert or flick to resuspend every 1–2 min or place the tubes on a Vortex Adapter (cat. no. 13000-V1) attached to a Vortex Genie® 2 and set the vortex between speed 5–6 to agitate the resin and promote binding of the DNase.
   Note: The solution should agitate without splashing.
6. Centrifuge at 13,000 x *g* for 1 min to pellet the resin.
7. Transfer the supernatant to a new tube, taking care not to transfer any of the resin. The RNA is now ready to use for RT-PCR and further analysis.