Quick-Start Protocol March 2016

MagAttract® DNA Mini M48 Kit

The MagAttract DNA Mini M48 Kit (cat. no. 953336) can be stored at room temperature (15–25°C) for up to 1 year if not otherwise stated on label.

Further information

- *MagAttract DNA Mini M48 Handbook*: **www.qiagen.com/HB-0346**
- Safety Data Sheets: **www.qiagen.com/safety**
- Technical assistance: **support.qiagen.com**

Notes before starting

- Ensure that you are familiar with operating the BioRobot® M48 workstation. Refer to the *BioRobot M48 User Manual* for operating instructions.
- This protocol is for purification of total DNA from up to 2 x 10^6 cultured cells.
- QIAGEN Proteinase K is not required for this protocol.
- Supplementary protocols for automated purification of DNA from other sample types using the MagAttract DNA M48 System are available online at **www.qiagen.com/literature**.
- Prepare Buffer MW1 as described on the bottle and store at room temperature (15–25°C).
- Before use, check that Buffer ML does not contain a white precipitate by shaking the bottle. Check again when pipetting Buffer ML into the Reagent Container. If necessary, incubate for 30 minutes at 37°C with occasional shaking to dissolve precipitate.

1. Centrifuge a maximum of 2 x 10^6 cells at 300 x *g* for 5 min in a 1.5 ml sample tube (with screw-cap). Remove and discard the supernatant, taking care not to disturb the cell pellet.

   Note: At this point, cells may be frozen (at –20°C or –70°C) for future use or may be used immediately.

2. Add 200 µl of Buffer G2 to the 1.5 ml sample tube containing approximately 2 x 10^6 cells. Resuspend the cells thoroughly by pipetting up and down.
3. Switch on the BioRobot M48, before switching on computer and monitor.
4. Launch the QIAsoft M operating system.
5. Select the **Genomic Research** protocol group from the drop-down menu by clicking on the dark green arrow, and then select **gDNA**.
6. Select the **Cultured Cells** protocol and click the **Select** button to choose the elution tube type. Enter the number of samples and the sample and elution volumes.
7. Place the sample tubes, reagent containers and plasticware on the worktable, according to software instructions.
8. Close the workstation door and start the purification procedure. All steps are fully automated, and a software message on the screen will indicate when the protocol is finished.
9. Retrieve the elution tubes containing the purified DNA from the cooling block. The DNA is ready to use or can be stored at 2–8°C for 24 h or longer at –20°C.

   Note: If the purified DNA is to be analyzed by real-time PCR, tubes containing eluate should first be applied to a suitable magnetic separator and the eluate transferred to a clean tube to minimize the risk of magnetic particle carryover.

Scan QR code for handbook.

For up-to-date licensing information and product-specific disclaimers, see the respective QIAGEN kit handbook or user manual.