Quick-Start Protocol

April 2016

DyeEx® 2.0 Spin Kit

The DyeEx 2.0 Spin Kit (cat. nos. 63204 and 63206) can be stored at room temperature (15–25°C) for up to 12 months if not otherwise stated on label.

Further information

- *DyeEx Handbook*: **www.qiagen.com/HB-0581**
- Safety Data Sheets: **www.qiagen.com/safety**
- Technical assistance: **support.qiagen.com**

Notes before starting

- This protocol is suitable for sequencing reactions with volumes of 10–20 µl. For more reproducible pipetting and reduced error with sample volumes <10 µl, we recommend adjusting the volume to 20 µl using distilled water before application to the gel bed.
- All centrifugation steps are carried out at 750 x *g* in a conventional microcentrifuge at room temperature (15–25°C). The appropriate speed for individual centrifuges can be calculated as follows:
  rpm = 1000 x $\sqrt{750/1.12\ r}$ (r = radius of rotor in mm).

1. Gently vortex the spin column to resuspend the resin.
2. Loosen the cap of the column a quarter turn to avoid a vacuum inside the spin column.
3. Snap off the bottom closure of the spin column, and place the spin column in a 2 ml collection tube (provided).
4. Centrifuge for 3 min at the calculated speed.

5. Carefully transfer the spin column to a clean centrifuge tube. Slowly apply the sequencing reaction directly onto the center of slanted gel bed surface.

   Note: Do not allow the reaction mixture or the pipet tip to touch the sides of the column. The sample should be pipetted slowly so that the drops are absorbed into the gel and do not flow down the sides of the gel bed. Avoid touching the gel bed surface with the pipet tip.

   Note: It is not necessary to remove mineral oil or kerosene prior to cleanup of dye-terminator sequencing reactions.

   Note: It is not necessary to replace the lid on the column.

6. Centrifuge for 3 min at the calculated speed. Remove the spin column from the microcentrifuge tube. The eluate contains the purified DNA. For most sequencers, it is possible to load the eluate directly onto the sequencer.

   Optional: If using a formamide loading buffer, dry the samples in a vacuum centrifuge and proceed according to the instructions provided with the DNA sequencer.

Scan QR code for handbook.

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