

QIAxcel[®] Gel Cartridge Product Sheet

The QIAxcel Advanced instrument is intended to be used in combination with QIAxcel Kits for applications described in the respective QIAxcel Kit handbooks. Each kit contains a gel cartridge that has been specifically developed for particular applications. Each gel cartridge consists of a gel matrix with a proprietary linear polymer with ethidium bromide intercalating dye.

Storage

The QIAxcel Gel Cartridge should be stored at 2–8°C upon arrival. For optimal performance, store the QIAxcel Gel Cartridge at 2–8°C until the first use.

Instructions for use

- Remove the QIAxcel Gel Cartridge from the kit box just before use.
Note: Prior to use, place the gel cartridges into the QX Cartridge Stand.
Note: Alternatively, store the gel cartridges latched in the instrument in the “Park” position with wash buffer in the wash park (WP) position until they are fully equilibrated to room temperature. This equilibration requires at least 20 minutes at 15–25°C. The optimal temperature is critical to ensure proper performance of the gel cartridges.
- Equilibrate the gel cartridges outside the kit box and the black cartridge blister.
Note: Incorrect cartridge handling or shorter equilibration times may cause damage to your QIAxcel Advanced instrument and could result in a loss of warranty.
- Insert the cartridge into the QIAxcel Advanced instrument only when there is no visible residual gel on the outer plastic surface of the cartridge.

Unpacking and preparing the QIAxcel Gel Cartridge

1. Remove all buffer bottles from the kit box.
2. Add 10 ml QX Wash Buffer to both reservoirs of the QX Cartridge Stand (provided with the QIAxcel Advanced instrument) and cover with 2 ml mineral oil (supplied).
3. Remove the QIAxcel Gel Cartridge from its packaging and carefully wipe off any soft gel debris from the capillary tips using a soft tissue.
Note: The capillary tips are made of glass and are fragile. Breaking the tips will affect the overall system performance.
4. Remove the purge cap seal from the back of the QIAxcel Gel Cartridge and place it in the QX Cartridge Stand.
Note: Use a soft tissue to wipe off any gel that may have leaked from the port.
Note: Ensure that the capillary tips are submerged in QX Wash Buffer.

5. Allow the new cartridges to stabilize in the QX Cartridge Stand for 20 minutes prior to their first use.

Note: Once used, always store the QIAxcel Gel Cartridge in a vertical position.

Use the QIAxcel Gel Cartridge Stand only for temporary storage of the cartridge (e.g., for preparation of the cartridge prior to performing an instrument run or to exchange a cartridge between runs). For long term storage, place the cartridge back into its packaging with the capillary tips gently inserted into the soft gel in the box. If used every day, store the cartridge in the QIAxcel Advanced instrument in the "Park" position.

For further details, please refer to the *QIAxcel DNA Handbook*, the *QIAxcel RNA Handbook* and in the "Storage" section of the *QIAxcel Handbook*. If you have any further questions, please call QIAGEN Technical Service (see the back cover of our handbooks or visit www.qiagen.com).

Intended use

The QIAxcel Advanced instrument, QIAxcel Kits and cartridges are intended for molecular biology applications. These products are not intended for the diagnosis, prevention or treatment of a disease.

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 where you can find, view and print the SDS for each QIAGEN kit and kit component.

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