

Quick-Start Protocol

QIASprint® Plasmid Application

For use with QIASprint Connect

The QIASprint Connect offers the possibility of a modular kit concept, and the combination of the QIASprint Essential Kit D (384) (cat. no. 588009) and the QIASprint Plasmid BOPP PrepSet (384) (cat. no. 588909) with or without QIApHish beads for bacterial capturing is recommended for purification of plasmid DNA. These kits are shipped at room temperature (15–25°C). Upon receipt, all kit components should be stored dry at room temperature.

Further information

- *QIASprint Plasmid Application Guide*: www.qiagen.com/HB-3711
- Safety Data Sheets: www.qiagen.com/safety
- Technical assistance: support.qiagen.com

Notes before starting

- Add the provided RNase A solution to Buffer P1 before use.
- Add ethanol (96–100%) to Buffer PE before use (see bottle label for volume).
- Add isopropanol (96–100%) to Buffer ETR2 before use (see bottle label for volume).
- Check Buffer P2, Buffer QBB, and Buffer ETR2 for precipitation due to low storage temperature and, if necessary, dissolve by warming to 37°C.

Procedure

1. Place the prep cover in the corresponding prep cover frame.
2. Place the prep plate inserts in the corresponding prep plate frames.
3. Fill the prep plate inserts and the elution plate according to the following tables and place them in the QIASprint Connect according to the device's instructions.

Note: Prepare the lysis plate last and no more than 5 min before starting the run.

4. Prepare the samples according to the required protocol.
5. Start the run.

Table 1. Assignment of the prep plate inserts for the QIAprep Connect Plasmid Pellet Protocol

Step	Buffer	Volume (µL)
Lysis	P2	200
Neutralization	P3	500
Wash 1	ETR2	1000
Wash 2	PE MagG Bead Suspension	750 30
Binding	Buffer QBB MagG Bead Suspension	300 20
Elution	EB	100

Table 2. Assignment of the prep plate inserts for the QIAprep Connect Plasmid Culture Protocol

Step	Buffer	Volume (µL)
Lysis	P1 P2	200 200
Neutralization	P3	500
Wash 1	ETR2	1000
Wash 2	PE MagG Bead Suspension	750 30
Binding	Buffer QBB MagG Bead Suspension	300 20
Elution	EB	100

Sample preparation

QIAprep Connect Plasmid Pellet Protocol

- Resuspend pelleted bacteria in 200 µL Buffer P1.
- Transfer the cell suspension into the lysis plate to the prefilled Buffer P2.
- Start the run immediately. Do not allow lysis to proceed for more than 5 min.

QIASprint Connect Plasmid Culture Protocol

- Set the pH value of the culture to pH 3 (when using LB medium, this corresponds to adding 50 µL of 1 M HCl to 1 mL culture).
- Add 40 µL QIApHish beads to each well of the culture.
- Place the plate in the QIASprint Connect according to the instrument's instructions.
- Start the run.

Procedure on QIASprint Connect

1. Turn on the QIASprint Connect instrument and log in.
2. Navigate to the Protocols screen with the tab in the upper part of the home screen.
3. Locate the desired protocol for the plasmid application, and press  and  **Run protocol** .
Optional: Enter the run information in the Run details screen. This information will be displayed in the run report.
4. Press **Confirm** to get to the loading screen.
5. With the plate hotels located on the lab bench, insert the plates according to the screen instructions into the hotels.
 - The prep cover must be located in the metal prep cover frame.
 - All prep plates need to sit firmly in their metal frames.
 - The QR codes need to face the user.
6. Open the hood and place the hotels on their platforms, taking care not to mix up the left and right hotels.
7. **Optional:** If you have heating or cooling steps during your protocol run and the thermal adapter is not already located on the heater-cooler, place the thermal adapter in one of the slots of the thermal adapter platform with the QR code facing the user. The instrument will install it automatically during the run.
8. Press **Start run** to start the run.
9. After the end of the run, remove the plate hotels from the instrument. Store the elution plate safely or use it directly in your downstream applications.

Document Revision History

Date	Description
03/2026	Initial release
	Scan the QR code for handbook. For up-to-date licensing information and product-specific disclaimers, see the respective QIAGEN kit handbook or user manual.

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