QUICK REFERENCE

Online Specials

novex® by life technologies™

Bolt™ Mini Gels

Pub. Part No. 100016063 **Pub. No.** MAN0006862 **Rev.** A

See reverse for instructions on loading Bolt™ Mini Gels.

Instructions for performing electrophoresis using Bolt™ Mini Gels are described below. For details, refer to the complete manual available at **www.lifetechnologies.com**.

Prepare samples

Reagent	Reduced Sample	Non-reduced Sample
Sample	*x* µL	*x* µL
Bolt™ LDS Sample Buffer (4X)	10 µL	10 µL
Bolt™ Reducing Agent (10X)	4 µL	—
Deionized Water	to 26 µL	to 30 µL
Total Volume	40 µL*	40 µL*

Heat samples at 70°C for 10 minutes.
* Scale samples up or down by adjusting all volumes proportionally.

Prepare 1X Buffer

Each chamber of the tank requires 400 mL of 1X SDS Running Buffer (mix 20 mL of 20X Bolt™ MES or MOPS SDS Running Buffer with 380 mL of deionized water). The same buffer type must be used for both chambers.

Run conditions

Run Bolt™ Mini Gels at constant voltage (1 or 2 mini gels).

Running Buffer	Standard Run	Run Time*
MES	200 V	22 min
MOPS	200 V	32 min

* Run times may vary depending upon gel type and power supply.

For research use only. Not for use in diagnostic procedures.

life technologies™

Bolt™ Mini Gels

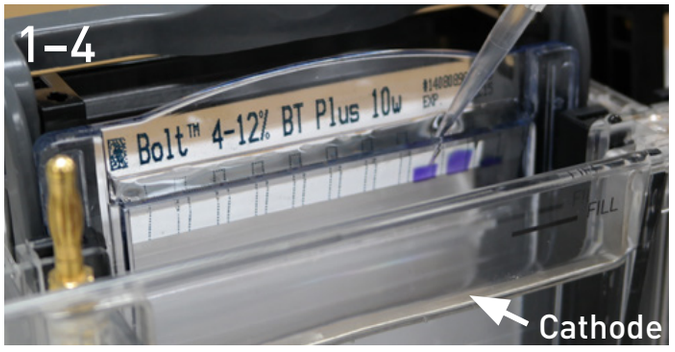
See reverse for instructions on sample and buffer preparation, and electrophoresis conditions.

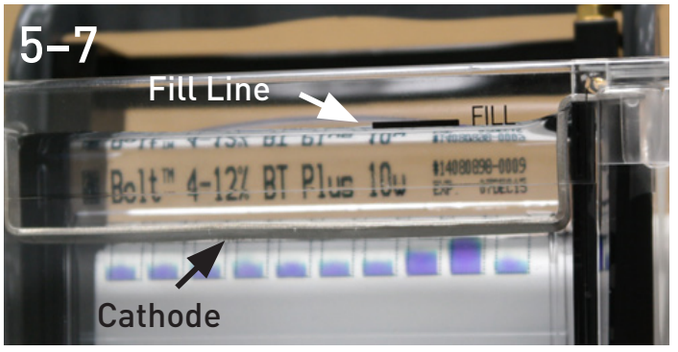
Prepare gel and tank

1. Cut open the gel cassette pouch and remove the cassette.
2. Remove the gel comb and rinse wells 3 times with 1X Running Buffer.
3. Remove the tape covering the slot at the lower portion of the cassette.

Load samples

1. Pre-fill the chamber with 1X Running Buffer to the level of the cathode.
2. Place the cassette in the chamber with the wells facing towards you. Hold the cassette in a raised position and close the cassette clamp.
3. Fill all wells with 1X Running Buffer.
4. Load your samples and markers.
5. Hold the cassette and release the cassette clamp.
6. Gently lower the cassette to the bottom of the chamber, and close the cassette clamp
7. Add 1X buffer to the level of the fill line.





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