



BT 310 Capillary for ABI 310 Sequencer

Description

Biotaq Capillary has developed a proprietary technology to make fused silica capillary used on ABI™ 310 sequencers for DNA sequencing and fragment analysis. The BT 310 capillaries are guaranteed to last 100+ injections. The capillary has excellent resolution for DNA fragment analysis and sequencing, and excellent batch-to-batch reproducibility.

Special Instructions

Please carefully pull out the plastic bag containing the capillary from the container, and carefully pull out the capillary from the plastic bag. The polyimide coating has been stripped for part of the capillary to make a detection window, making it easier to break. Therefore, **please handle with extra care**. Please check the capillary immediately after you receive this package. Biotaq is not responsible for any missing items not reported within 2 business days of receipt.

Storage Conditions

The product is shipped at room temperature and can be stored at room temperature.

Catalog Number	Length	Number of Capillaries per Package
BT31047-01	47 cm	5
BT31061-01	61 cm	2

Brief Protocol

Following the ABI310 user manual to install the capillary. The following is the brief protocol. When a new capillary is installed, the injection counter needs to be reset. Choose Change Capillary from the instrument window, click OK to reset the injection counter.

Installing Capillary (Excerpt from ABI 310 User Manual)

A. Connecting the Capillary to the Pump Block:

1. Remove the new capillary from the storage bag. Note when removing capillary, be careful not to bend the capillary at the capillary window.
2. Open the door covering the heat plate.
3. Remove the plastic capillary fitting on the right side of the pump block.
4. Partially screw the capillary fitting back into the pump block.
5. IMPORTANT: Do not tighten the fitting at this point in the procedure, or the opening on its tip will be crushed. The capillary must be properly inserted through the fitting before you tighten it.
6. Thread one end of the capillary through the capillary fitting.
7. Adjust the end of the capillary so that it is positioned directly below the opening to the glass syringe. The end of the capillary must protrude well beyond the opening at the tip of the capillary fitting. To avoid crushing the opening, be certain that you see the capillary in the pump block channel before proceeding to the next step.
8. Tighten the capillary fitting finger-tight to secure the capillary. IMPORTANT: The capillary will twist as the fitting is tightened. Leave the other end of the capillary free to twist, or the capillary will break.

B. Positioning the Capillary in the Detector:

1. Open the laser detector door, and position the capillary in the vertical track of the detector.
2. Tape the capillary to the heat plate with thermal tape to secure the position of the capillary labeling mark relative to the detector plate.
3. Close the laser detector door to secure the position of the capillary window.

C. Positioning the Capillary Near the Electrode:

1. Thread the capillary through the capillary hole in the electrode thumbscrew until it protrudes past the tip of the electrode by about 0.5 mm.
2. Tape the capillary to the heat plate just above the electrode thumbscrew and just above the detector door using thermal tape. This secures the position of the capillary tip relative to the electrode.
3. Close the door over the heat plate. With the heat plate door closed, check that the capillary has not moved relative to the electrode.

Related Service

Regeneration Service for ABI Sequencing Capillary Arrays (310, 3130/3100, 3130x/3100, 3730, 3730xl)

This product or service is intended for research purposes only and is not intended for diagnostic purposes.