

POP-4™ and POP-6™ Polymer for 310 Genetic Analyzers

Catalog Numbers 402837, 402838

Pub. No. 100032433 Rev. B

WARNING! Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. Safety Data Sheets (SDSs) are available from thermofisher.com/support.

Product description

The polymer is the separation matrix for capillary electrophoresis on 310 Genetic Analyzers. It can be used for sequencing analysis and fragment analysis applications. The polymer is pre-formulated.

Contents and storage

Contents	Cat. No.	Storage
POP-6™ Polymer, 1 x 3-mL bottle (250 samples/bottle)	402837	Store at 2–8°C.
POP-4™ Polymer, 1 x 5-mL bottle (500 samples/bottle) ^[1]	402838	

^[1] The polymer has been validated for HID applications.

Expiration date/on-instrument supported limits

The on-instrument life is determined by the limit that is reached first—number of days after first installation, samples run, or expiry date. The number of samples that can be run is independent of the capillary length used (36-cm or 50-cm).

IMPORTANT! Operating temperatures > 25°C may shorten the working life of the polymer.

Quantity	On-instrument supported limits ^[1] Lower of:	Guidelines
3-mL	7 days, 250 samples, or expiry date	The polymer has been verified for use for up to 7 days on the instrument. See "Important notice regarding use of consumables that exceed supported limits" on page 1.
5-mL	7 days, 500 samples, or expiry date	

^[1] The bottle has adequate polymer to support the stated number of samples, plus additional volume to accommodate installation and changing the polymer type.

Replenish the polymer

1. Check the expiration date on the label to ensure that the polymer is not expired and will not expire during intended use.

IMPORTANT! Do not use if the product is expired, if the bottle or label is damaged, or if the cap is missing or damaged.

2. Allow the refrigerated polymer to equilibrate to ambient temperature (20–25°C) before use.
3. To dissolve deposits, tighten the cap and invert to mix. Let the polymer settle for 5 minutes before use.
4. Fill the syringe manually with a maximum of 0.5-mL of polymer.

Note: Do not use polymer that has been on the instrument for more than one week. Do not return unused polymer to the original bottle.

5. Remove all air bubbles by inverting the syringe and pushing air bubbles out.

IMPORTANT! To avoid polymer loss, remove any bubbles near the plunger head.

6. Move the syringe drive toggle to the left to attach the syringe to the pump block.
7. Place the syringe through the right-hand port of the plastic guide plate, and screw the syringe into the pump block. Do not overtighten.
8. Press the syringe plunger until polymer fills the polymer channel in the block.
9. Move the syringe drive toggle to the right to position it over the syringe plunger.

IMPORTANT! There should be no air bubbles in the gel block channels.

See the *310 Genetic Analyzer Manual for Windows™* (Pub. No. 4317588) for instructions on changing the polymer type or for initiating the runs.

Important notice regarding use of consumables that exceed supported limits

PLEASE READ AND UNDERSTAND THE FOLLOWING IMPORTANT NOTICE AND INFORMATION:

Thermo Fisher Scientific does not recommend the use of consumables that exceed supported limits. The recommended limits are designed to promote the production of high quality data and minimize instrument downtime. Reagent and consumable lifetime minimum performance are based on testing and studies that use reagents and consumables that have not exceeded supported limits.

The use of consumables beyond the supported limits may impact data quality or cause damage to the instrument or capillary array. The cost of repairing such damage is *NOT* covered by any Thermo Fisher Scientific product warranty or service plan. Customer use of expired consumables is at customer's own risk and without recourse to Thermo Fisher Scientific. For example, product warranties do not apply to defects resulting from or

repairs required due to misuse, neglect, or accident including, without limitation, operation outside of the environmental or use specifications or not in conformance with Thermo Fisher Scientific instructions for the instrument system, software, or accessories.

Please see your specific service contract or limited product warranty for exact language regarding coverage and ask your Thermo Fisher Scientific representative if you have further questions.

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