

POP-4 Polymer

Catalog Number: SG5123X

For use with 3500/3500xl series instruments

WARNING! Read the Safety Data Sheets and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves.

Product description

The polymer is the separation matrix for capillary electrophoresis. It is supplied as a ready-to-use pouch with a radio frequency identification (RFID) tag incorporated into the label. The instrument uses the RFID tag to track polymer usage and expiration.

Contents and storage

Item No.	Amount	Storage
SG5123X-28	1 x 28mL bottle [1]	Store at 2–8°C
SG5123X-7	1 x 7mL bottle [1]	

[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, injections performed, or expiry date. Usage is tracked by the system software.

IMPORTANT! For the POP-4 Polymers, the on-instrument supported limit is 14 days only when the instrument operating temperature is 15–25°C. When the instrument operating temperature is > 25°C, the supported limit is 7 days.

Pouch size	Instrument	On-instrument supported limits[1] Lower of:	Guidelines
96 samples	8-capillary	14 days, 96 samples, 12 injections, or expiry date	The polymer has been verified for use for up to 14 days on the instrument. The software displays a warning message when a usage limit is met and allows you to continue running. Before doing so, see “Important notice regarding use of consumables that exceed supported limits” on page 2.
	24-capillary	14 days, 96 samples, 5 injections, or expiry date	
384 samples	8-capillary	14 days, 384 samples, 60 injections, or expiry date	
	24-capillary	14 days, 384 samples, 20 injections, or expiry date	
960 samples	8-capillary	14 days, 960 samples, 120 injections, or expiry date	
	24-capillary	14 days, 960 samples, 50 injections, or expiry date	

[1] The pouch has adequate polymer to support the stated number of samples or injections, plus additional volume to accommodate installation and wizard operations. Multiple pouch installations and/or excessive use of wizards reduce the number of remaining samples and injections. For example, if you run the total bubble remove option in the Remove Bubbles wizard more than four times, the number of remaining samples and injections is reduced.

Precautions for use

- Do not reuse a polymer pouch that has been installed on another type of instrument. For example, if you remove a partially used polymer pouch from an 8–capillary instrument, do not reuse that polymer on a 24–capillary instrument.
- If you remove a polymer pouch for storage (2–8°C), place a pouch cap onto the pouch, then place an empty pouch (or conditioning reagent) on the connector to prevent desiccation of any residual polymer on the connector. Follow the instructions in the wizard to ensure proper operation of the pouch and the instrument.

For Research Use Only. Not for use in diagnostic procedures.

Replenish polymer or change polymer type

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 pouch or label is damaged, or if the top seal is missing or damaged.

2. Allow the refrigerated polymer to equilibrate to room temperature (15–30°C) before use.
3. In the instrument software, go to the Wizards menu, then click Replenish Polymer (requires 10–20 minutes) or Change Polymer Type (requires 60–70 minutes).

Note: If you are changing the polymer type, you also need Conditioning Reagent.

4. Follow the prompts in the Wizard window.
5. When instructed to install the polymer, peel off the seal at the top of the pouch fitting.

Note: You may notice a tiny droplet of polymer inside the fitting (residual from the pouch filling process). This is not expected to cause any performance issues.

To install the polymer on the instrument and start the run, see your instrument user guide.

Important notice regarding use of consumables that exceed supported limits BEFORE DISMISSING THE WARNING THAT THE CONSUMABLES HAVE REACHED SUPPORTED LIMITS AND CONTINUING WITH OPERATION OF THE INSTRUMENT, PLEASE READ AND UNDERSTAND THE FOLLOWING IMPORTANT NOTICE AND INFORMATION:

Na Yuan Tech. 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 our product warranty or service plan. Customer use of expired consumables is at customer's own risk and without recourse to our company.