

## Product Description

The three different types of polymers (OP4, OP6, and OP7) are individually packed in disposable pouches for use on AB 3500 Genetic Analyzers (3500/3500XL). The polymer usage and expiration are either tracked with new radio frequency identification (RFID) electronic tags or not tracked depending on the software version of the instrument. For software version lower than 2.0 (not including 2.0), the new RFID tag provided with the polymer pouch will be used for tracking; for Research-Use-Only (RUO) software version 3.1 or 3.3, use ABI's original RFID with our polymer pouches above. These products are not used for *In vitro* Diagnostics AB 3500 DX Genetic Analyzers. To use these products, software version 2.0 or 3.0 needs to be upgraded to version 3.1 or 3.3.

## Product Storage

The products are shipped with blue ice and should be stored at 4°C after arrival. Allow the polymer to equilibrate to room temperature before use on the genetic analyzers.

## Product Usage Guidelines

Before the product is used, the shelf life is the expiry date on the product label. Once the product is installed on the instrument, the shelf life will be determined by the software through reading the information of the RFID tag on the pouch. However, the temperature of the environment also affects the product life of the polymer. For OP4 and OP7 polymers, the shelf life would be 14 days at 15 °C to 25°C or 7 days above 25°C. For OP6, the shelf life is 14 days. Even though the products may still provide optimal sequencing results after the recommended periods, users should be cautious not to take their own risks for using old polymers.

## Installation of polymer pouch on AB 3500 Genetic Analyzers

1. Take out a new polymer pouch from the fridge and leave it at room temperature for 20 minutes. Check the product label to make sure the product is not expired or will expire during usage. Do not use a damaged product.
2. In the Dashboard, click **Wizards**, then click **Replenish Polymer** if the same type of polymer will be used or **Change Polymer Type** if a different type of polymer will be replaced (for instance, change OP6 to OP7).

Note: When changing to a new polymer type, a conditional reagent pouch (not included) and an empty anode buffer tray will be also needed.

3. Follow the instructions in the Wizard window. Remove the old pouch from the instrument by lowering the connection lever to release the pouch from the connector of the pump.

4. Peel off the seal at the top of the new pouch when instructed to install the polymer.
5. At the step of polymer installation, make sure that the RFID label on the pouch is on the back of the polymer bag (away from the operator). Slide the fitment below the pouch opening to fit onto the slot of the lever assembly. Push the lever up to snap the pouch into the connector end of the pump.
6. Follow the instructions in the Wizard window to finish the rest of the steps.
7. After the new pouch is installed, go back to the Dashboard and click **Refresh** to update the polymer information. Now, the new polymer is ready to use.