

Fluorophos ALP Maintenance

Changing Substrate Bottle

Important: When changing to a new substrate bottle it is essential that the dispenser is thoroughly cleaned with DI water before inserting into the new substrate. If a contaminated dispenser is used with a new substrate this new substrate will become contaminated and rendered useless within a week.

No part of the dispenser that comes into contact with the substrate should be touched by hands, i.e. the inlet tube.

No detergents should be used to clean the dispenser unless they are completely washed off before using to dispense substrate.

Pipettes

If pipettes are used to dispense substrate ensure they are sterile otherwise the substrate will degrade rapidly.

The tips supplied with the pipette are stated by the manufacturer to be chemically resistant to most substrates except chlorinated hydrocarbons.

If the pipette piston (plunger tip) becomes worn or otherwise unusable and a replacement piston is available, please follow the replacement instructions supplied with the pipette.

Always re-calibrate the pipette after replacing the piston or other internal parts, referring to the calibration instructions supplied with the pipette.

To eliminate possible sample-to-sample contamination between pipetting sessions remove and replace the pipette tip after each sample.

Loading Printer Paper

1/ Cut the corners off both sides of the paper to form a triangular point and insert into the rear of the printer from the bottom of the paper roll.

2/ Press “feed” button to allow mechanism to pull paper through.

3/ If paper becomes jammed, the printer will switch off.

4/ To reactivate it, turn the instrument off, remove the paper jam by pulling the paper forwards then restore power to the instrument.

5/ Occasionally lubricate the printer spindle using the printer maintenance kit (FLO425).

Air Filter

Examine and clean the air filter regularly.

Do not operate the instrument without the air filter in place, foreign bodies can be drawn into the cooling system and impair cooling efficiency.

It is good practice to have a spare clean filter to replace the dirty one. The element should be washed and thoroughly dried.

Optical Filter - Cleaning

Use extreme caution whenever you handle the filter or filter assembly. Handle optical filters only by the edges and never on the optical surface as they are easily scratched.

To clean the filter use a piece of lint-free non-abrasive tissue and a small amount of 70% isopropanol solution. Be sure the filter is completely dry before re-installing.

Optical Filter - Replacement

The excitation and emission filters age and can be degraded by spills and scratches. They should be replaced annually.

- 1/ Shut off the fluorometer power switch and unplug the power cord from the power outlet.
- 2/ Carefully remove any cuvette from the cuvette holder.
- 3/ Facing the front of the instrument, the excitation filter is located behind the cuvette holder. Slide the excitation filter holder straight up and out of the instrument. If the filter holder is too slippery to grip use a piece of masking tape to improve your grip and provide a pull tab.
- 4/ Slide in the new filter holder. Note that the ends of the dual filter assembly are marked ACP and ALP respectively. When the filter is in place the label on the end of the filter will indicate which filter is currently in place.