

# Dispensing Chromogens

## CHROMOGENIC SUBSTRATES

Chromogenic substrates are very sensitive to light, heat and contamination with metal ions or the specific enzyme. The solutions must be kept in light-resistant containers at 2-8°C.

### Dispensing Guidelines

When dispensing substrates into smaller containers, the guidelines must be followed:

1. The substrates must be dispensed in a room with minimum daylight (no direct sunlight). The surrounding temperature must be below 25°C.
2. Use a suitable peristaltic pump or other dosage equipment.
3. Tubing must be made of Silicone (Platinum-Cured) i.e. Masterflex 96410. New tubings are recommended for each new dispensing process. Keep tubing as short as possible to prevent the substrate from being exposed to light during filling. Flush all tubes with minimum Type 2 pure lab water before use.
4. The bottles must be made of High Density Polyethylene Amber color, i.e. Nalgene 2004 or similar.
5. Pump the substrate from the large bottle directly into the small bottles with a speed slow enough to prevent foaming.
6. Keep the substrate at room temperature for as short time as possible. Take the large bottle from the refrigerator immediately before use and place the small bottles in the refrigerator shortly after they have been filled.
7. If the dispensing is paused, cover the tubes and pump, in order to prevent the substrate from being exposed to light. Return all bottles to the refrigerator. After the break, consider discarding the substrate that has been in the tubes during the break.
8. Clean all equipment with plenty of Type 2 pure lab water when the dispensing is finished.



Our Immunoassay Solutions are eco-friendly, creating a healthy work environment and preserving natural resources, while helping our customers fulfill significant regulatory requirements. **We call it ECO-TEK.**

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