

Fluorophos®

Calibrator Set

FLA250

REF

FLA250

- One 30 mL bottle of calibrator A
- One 30 mL bottle of calibrator B
- One 30 mL bottle of calibrator C

Intended use:

The Fluorophos® calibrator set is used for calibrating each product type on the Fluorophos ALP Test System and checking the instrument for proper performance. The instrument should be calibrated when:

- Initially installed
- Significant service procedures are performed (i.e., light source or filter replaced)
- Adjustments are made to bring A-D mode into specification

Each product type to be tested requires its own calibration. However, two products can be run on the same channel when calibration ratios are within $\pm 5\%$ of each other.

Ingredients:

Calibrator type	Ingredients
Calibrator A	0 $\mu\text{mol/L}$ of Fluoroyellow®
Calibrator B	17.24×10^{-3} $\mu\text{mol/L}$ of Fluoroyellow
Calibrator C	34.48×10^{-3} $\mu\text{mol/L}$ of Fluoroyellow

Warning:

The components in the calibrator set are irritating to skin, harmful if swallowed, and pose a danger of serious damage to health by prolonged exposure if swallowed. Refer to the *Material Safety Data Sheet* for complete hazard information.

Instructions for use:

Calibrator set preparation

1. Mix gently by inversion prior to each use to assure optimal results.
2. Label two cuvettes for each of the three calibrators.
3. Dispense 2.0 mL of the appropriate calibrator into each clean, labeled cuvette.
4. Place the cuvette in the $38 \pm 1^\circ\text{C}$ heating block and allow it to warm for 15 minutes.

Calibrating with a product sample

Samples should be prepared in the same way for regular testing. Refer to the user's guide.

Storage and handling:

- Tightly seal the vials after use to prevent evaporation.
- Store vials upright to prevent spills and leakage.
- Do not freeze.

Storage	Stability
Unopened $2-8^\circ\text{C}$ ($36-46^\circ\text{F}$)	18 months
Opened $2-8^\circ\text{C}$ ($36-46^\circ\text{F}$)	60 days
In the heating block $38 \pm 1.0^\circ\text{C}$	6 hours

Limitations:

Erroneous results can occur due to adverse shipping and/or storage conditions, use of expired materials, sample handling errors, or if microbial contamination becomes evident.

Expected values:

Calibration ratio depends on the product type.

Disposing of materials

Handle this product according to established good laboratory practices, using appropriate precautions. Dispose of materials according to your institution's practices. Discard all materials in a safe and acceptable manner that is in compliance with all country, state, and local requirements.



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