

Calibration Check Kit

1 Test

Catalog No. 250-030

Intended Use

The Diamedix Calibration Check Kit is designed to assist the user in maintaining proper liquid dispensing precision of Automated EIA Processors distributed by Diamedix.

Reagents

Each Calibration Check Kit contains sufficient reagents for one calibration run as follows:

Uncoated Plate:	One plate containing twelve 8-well uncoated strips.
Calibration Dye:	One tube containing 1 ml of p-nitrophenol (pNP) dye.
Calibration Diluent:	Two bottles each containing 29 ml of Sodium Hydroxide solution.

CAUTIONS: The Calibration Dye contains p-nitrophenol. Avoid contact with skin and eyes. If contact occurs, flush area with copious amounts of water. The Diluent contains Sodium Hydroxide which is corrosive. Avoid contact with skin and eyes. If contact occurs, flush area with copious amounts of water.

Store these reagents at room temperature, 18° to 30° C.

Other Materials Required

Pre-dilution cups, strips or plates.
Instrument Operator's Manual

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Instrument Operator's Manual

Procedure

1. Remove both Calibration Diluent bottles from their protective packaging.
2. Since the run requires approximately 55 ml of diluent, carefully transfer the contents from one diluent bottle into the second diluent bottle.
3. To begin the calibration check, follow the instructions as listed in the Instrument Operator's Manual.
4. The plate must be read within two hours of performing the calibration check test.
5. The instrument automatically calculates the mean, standard deviation and the coefficient of variation. Use the print commands to print the calibration results. Keep the printout of the calibration results or manually record the results in a log book.

Interpretation of Results

The following is a guide to interpretation of results.

The coefficient of variation (CV) should be less than 8%.

NOTE: If the calculated CV is greater than 8%, the user should repeat the procedure. If the CV remains unacceptable, contact the Technical Service Department at Diamedix: 1-800-327-4565.

NOTE: Be sure that the Instrument Plate Reader is properly calibrated. An inaccurate reader may lead to the incorrect conclusion that the instrument is malfunctioning. A Plate Reader calibration check is available separately from Diamedix. (Dri-Dye Check Strips, catalog number 790-900)

Diamedix Corporation
2140 N. Miami Avenue
Miami, FL 33127

 Delta Biologicals S.r.l., Via Nicaragua 12/14, 00040- Pomezia , Rome, Italy
Telephone #: +39-06-91190.1 Fax #: +39-069105244



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Procedure

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2. Since the run requires approximately 55 ml of diluent, carefully transfer the contents from one diluent bottle into the second diluent bottle.
3. To begin the calibration check, follow the instructions as listed in the Instrument Operator's Manual.
4. The plate must be read within two hours of performing the calibration check test.
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