

Linearity FD Procalcitonin

REF

K834M-5

5 x 1 mL

LOT

07080-1A, 07080-1B, 07080-1C,
07080-1D, 07080-1E

Aalto Scientific Ltd
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USA



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ENGLISH

INTENDED USE

The Audit[®] MicroControls[™] Linearity FD Procalcitonin is intended to simulate human patient samples for use as assayed quality control material, determining linearity, calibration verification, and the verification of reportable range for the Procalcitonin analyte.

The Audit[®] MicroControls[™] Linearity FD Procalcitonin is for In Vitro Diagnostic use only.

SUMMARY AND PRINCIPLE

As defined in the Clinical Laboratory Improvement Amendments of 1988 (CLIA) by the Centers for Medicare and Medicaid Services (CMS) and the Centers for Disease Control (CDC), each laboratory must revalidate each test method's AMR at least every six months as well as following changes in lots of analytically critical reagents or major system components². Good laboratory practices require that stable reference materials be used to verify the accuracy and precision of testing methods and techniques. Linearity FD Procalcitonin may be used as one would use human serum to verify and validate the AMR.

WARNINGS AND PRECAUTIONS

Linearity FD Procalcitonin is intended solely for the purpose of in vitro diagnostic use as described on the label. AUDIT[®] MicroControls[™], Inc. will not be liable for any unclaimed damages arising from any other usage.

Dispose of any discarded materials in accordance with the requirements of your local waste management authorities.

MATERIALS PROVIDED

Linearity FD Procalcitonin, 5 x 1 mL

STORAGE AND STABILITY

Linearity FD Procalcitonin is stored at 2-8°C and will remain stable in the unopened vial until the expiration date. After opening, the contents should be used according to the instrument manufacturer's instructions and immediately returned to 2-8°C.

When used to monitor the precision of laboratory testing procedures for its assays, Linearity FD Procalcitonin has a reconstituted stability of up to 5 days under the proper storage conditions. Leaving the vial uncapped, or prolonging its time at room temperature, will void this open vial stability claim. Make sure the contents of the vial are well mixed before use.

PROCEDURE

Follow the manufacturer's instructions provided for quality control and for verifying and validating the AMR. Verify that the lot number on each vial matches the package insert. To avoid evaporation, do not leave the vial uncapped. Q.C. requirements should be performed in conformance with local, state and/or federal regulations or accreditation requirements. Calibration verification linearity material should be run³:

- every six (6) months.
- when a complete change of reagents for a procedure is introduced.
- when there is major preventive maintenance or replacement of critical parts that may influence test performance.
- when control materials reflect an unusual trend or shift, or are outside of the laboratory's acceptable limits.
- when the laboratory's established schedule for verifying the reportable range for patient test results requires more frequent calibration verification.

INSTRUCTIONS FOR USE

- Remove a vial from the package.
- Using a pipette, reconstitute the product with 1 mL of deionized water.
- Allow the vial to sit at room temperature for 5 minutes.
- Occasionally swirl for 15 minutes, or until all visible material is dissolved. Do not shake. Do not mix mechanically. Avoid getting any undissolved material on the sides of the vial or the stopper.
- When all visible solid material is dissolved, invert several times to dissolve any material on the stopper.
- Swirl occasionally for at least 5 minutes.
- Use immediately or return to 2-8°C.
- The vial should remain stored at 2-8°C at all times. If additional sampling is necessary, the time outside of 2-8°C storage should be minimized.

CALCULATIONS OF RESULTS

Each set of Linearity FD Procalcitonin is prepared in a manner such that an equal distance exists between each consecutive level. This dilution scheme is consistent with the CLSI recommendation¹ for preparing linearity sets.

U.S. customers only - Once each vial of the total set is tested, raw data may be entered via the AUDITOR[™] QC Program at www.auditmicro.com. An on-line graph showing actual values versus predicted values for each analyte is then available to print, along with slope and intercept data. Call (866) 25-AUDIT for more information.

LIMITATIONS OF THE PROCEDURE

This product is intended for use with quantitative assays on the indicated analyzer provided in this package insert.

The Linearity FD Procalcitonin should not be used for calibration or standardization of Procalcitonin assays.

Target values and ranges are intended only as guidelines. Laboratories should determine ranges based on their own test system and tolerance limit.

If the contents of any of the vials become frozen, discard all vials and request a replacement set, as the results will not be valid.

EXPECTED VALUES

Each lot of product is manufactured such that a linear relationship exists among levels. The analyte concentrations in this insert were derived from multiple replicate analyses. Actual results obtained may vary depending on instrumentation, methodology and assay temperature. Results may also be dependent on the accuracy of the instrument/reagent system calibration. The degree of acceptable non-linearity is an individual judgment based on methodology, clinical significance and medical decision levels of the test analyte. The material and information presented here in no manner constitutes an overruling of any federal, state or other regulatory body's regulations and/or guidelines.

ORDERING INFORMATION

PRODUCT NUMBER	PRODUCT DESCRIPTION	PRODUCT PACKAGING
K834M-5	Linearity FD Procalcitonin	5 x 1 mL

Distributed by AUDIT[®] MicroControls[™], Inc. - U.S. customers only please call (866) 252-8348 or www.auditmicro.com

¹ Dilution schemes are based on guidelines provided by The Clinical and Laboratory Standard Institute (CLSI) in approved guideline EP6-A, "Evaluation of the Linearity of Quantitative Measurement Procedures: A Statistical Approach; Approved Guideline", April 2003.
² Federal Register 42 CFR Part 493, Department of Health and Human Services, January 24, 2003; p.3690.
³ Federal Register 42 CFR Part 493, Department of Health and Human Services, January 24, 2003; §493.1255, (b) (1) (ii).

	Units	Instrument	A	B	C	D	E
Procalcitonin	ng/mL	Abbott, Alinity	0.04	20.7	42.2	60.3	77.5
Procalcitonin	ng/mL	Otho, Vitros 5600	0.056	15.8	30.4	44.6	57.3
Procalcitonin	ng/mL	Roche, Cobas e602	0.097	25.3	56.5	85.9	>100



Catalog Number



For In Vitro
Diagnostic Use



Use By
(YYYY-MM-DD)



Lot Number



Caution



www.auditmicro.com/inserts



2 – 8°C
Temperature Limit



Manufactured By



1.0 mL
DI H₂O

Reconstitute With