

College of American Pathologists
325 Waukegan Road, Northfield, Illinois 60093-2750
800-323-4040 - cap.org
Laboratory Quality Solutions

CAP Number: 1339701-01 **Kit #:** 01
Institution: Howard Univ Hosp Corp Dept of Path
Attention: Lydia Seifu BS
City/State: Washington, DC 20060

Page 1
Kit ID: 39216229
Kit Mailed: 01/06/2025
Original Evaluation: 01/29/2025
Next Mailing Date: 06/30/2025

**EVALUATION
ORIGINAL**

LN11-A 2025 Serum Ethanol Calibration Verification/Linearity

Executive Summary

Analyte	Calibration Verification	Linearity Evaluation	Page #
Serum Ethanol mg/dL	Verified from 16.50 to 564.95	Linear from 16.50 to 564.95	2 - 3

Reviewed by _____ Date _____

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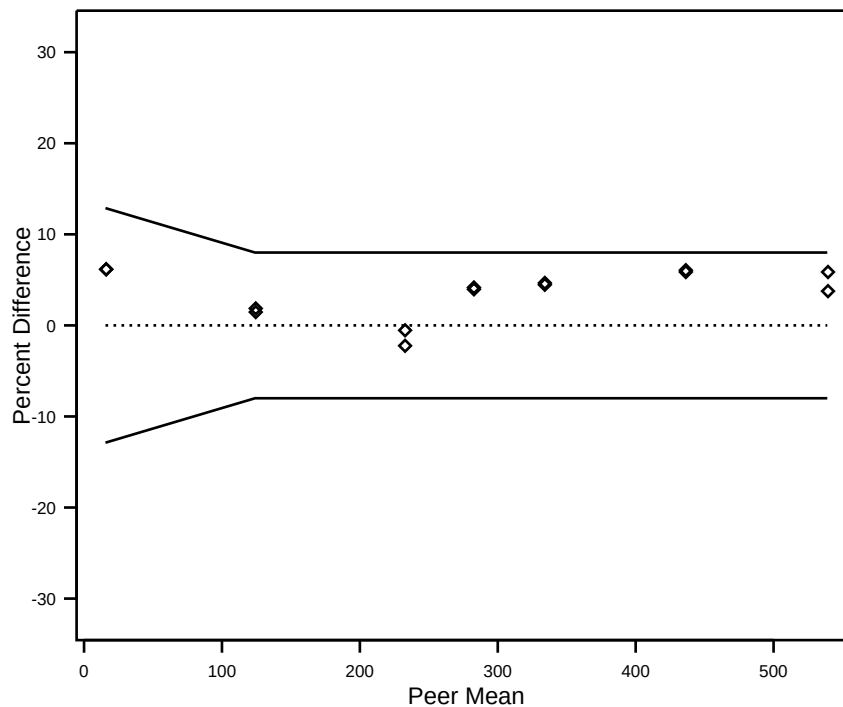
Next Mailing Date: 06/30/2025

**EVALUATION
ORIGINAL****LN11-A 2025 Serum Ethanol Calibration Verification/Linearity
Serum Ethanol mg/dL Calibration Verification Evaluation****Evaluation Result: Verified from 16.50 to 564.95**

Peer Method: ALCOHOL DEHYDROGEN UV

Allowable Error: 8% or 2 mg/dL,
whichever is greater

Specimen	Assay 1	Assay 2	Your Mean	Peer Mean	Peer N	Difference	Allowable Error
LN11-01	16.5	16.5	16.50	15.53	479	0.97 mg/dL	± 2.00 mg/dL
LN11-02	126.3	125.8	126.05	123.98	482	1.7%	± 8.0%
LN11-03	231.2	227.1	229.15	232.28	482	-1.3%	± 8.0%
LN11-04	294.1	293.6	293.85	282.20	481	4.1%	± 8.0%
LN11-05	349.2	348.7	348.95	333.62	478	4.6%	± 8.0%
LN11-06	461.5	462.5	462.00	435.86	478	6.0%	± 8.0%
LN11-07	559.3	570.6	564.95	538.96	454	4.8%	± 8.0%

Calibration Verification Plot: Percent Differences with
Allowable Error Limits**Peer Results Summary Table:
Evaluation of Instrument Performance**

Peer Group Size: 482

Range	Calibration Verification		Linearity Evaluation		
	% Verified	% Different	% Linear	% Nonlinear	% Imprecise
LN11-01 - 07	69.9	7.9	90.4	0.0	0.2
LN11-01 - 06	5.2	0.2	5.8	0.0	0.0
LN11-02 - 07	13.7	0.0	0.4	0.0	0.0
LN11-01 - 05	0.6	0.0	0.4	0.0	0.0
LN11-02 - 06	0.8	0.0	0.2	0.0	0.0
LN11-01 - 04	1.5	0.0	1.9	0.0	0.6
Other	0.0	0.2	0.0	0.0	0.0

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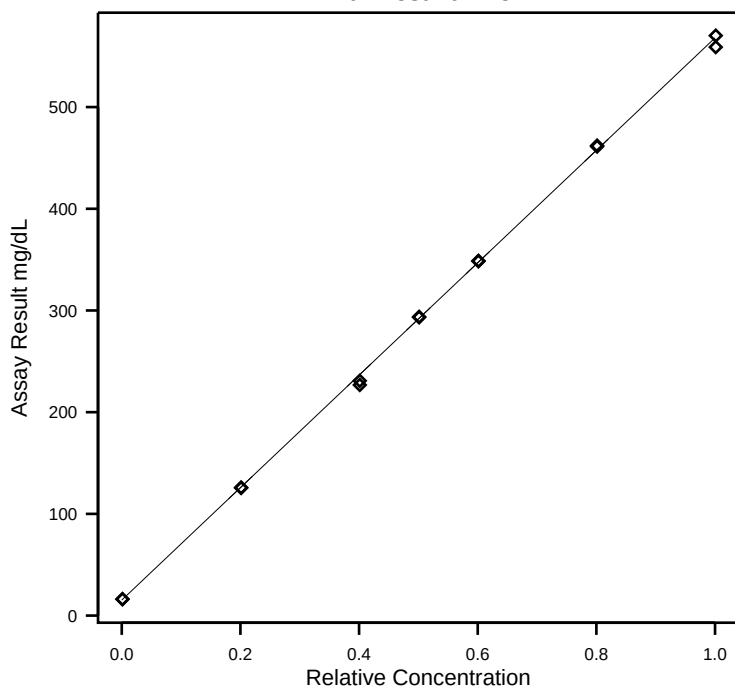
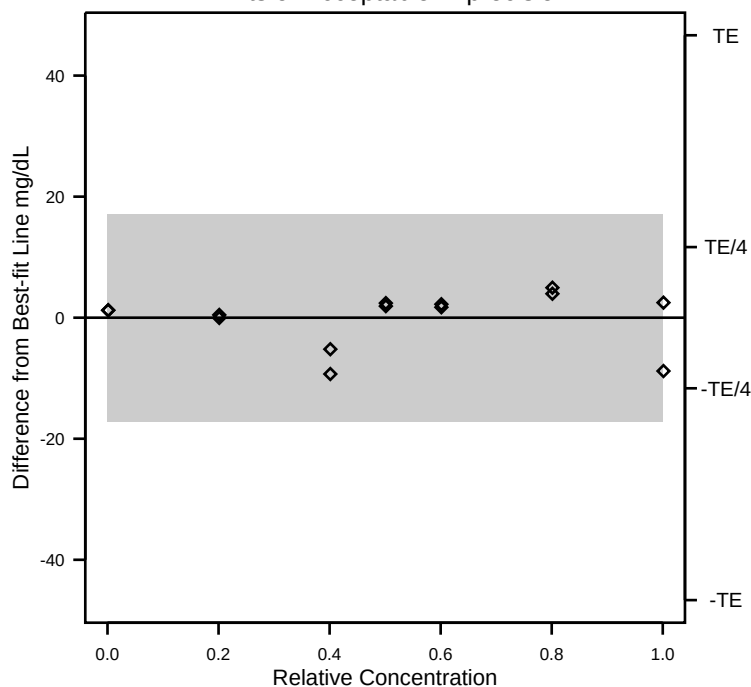
EVALUATION
ORIGINALLN11-A 2025 Serum Ethanol Calibration Verification/Linearity
Serum Ethanol mg/dL Linearity Evaluation

Evaluation Result: Linear from 16.50 to 564.95

Method: ALCOHOL DEHYDROGEN UV

Evaluation Type: Standard
Goal for Total Error (TE): 16%

Specimen	Assay 1	Assay 2	Your Mean	Best-fit Target	Relative Concentration
LN11-01	16.5	16.5	16.50	15.21	0.000
LN11-02	126.3	125.8	126.05	125.78	0.200
LN11-03	231.2	227.1	229.15	236.35	0.400
LN11-04	294.1	293.6	293.85	291.64	0.500
LN11-05	349.2	348.7	348.95	346.92	0.600
LN11-06	461.5	462.5	462.00	457.49	0.800
LN11-07	559.3	570.6	564.95	568.06	1.000

Linearity Plot 1: Reported Results
with Best-fit LineLinearity Plot 2: Differences with
Limits of Acceptable Imprecision

Mean of Included Results: 291.64 mg/dL

◇ Included in best-fit line

○ Excluded from best-fit line