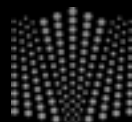


AUDIT LINEARITY CATALOG

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WSLH Proficiency Testing

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BLOOD GAS

Blood Gas - Calibration Verification

Universal - Item K727M-5

15 x 2mL liquid samples (5 levels)

INSTRUMENTS	ANALYTES			
Universal	• BUN • Calcium, Ionized • Chloride	• Creatinine • Glucose • Lactate	• pCO ₂ • pH • pO ₂	• Potassium • Sodium

CARDIAC

BNP - Linearity

5 x 1mL freeze dried samples

Universal Extended - Item K737M-5

Universal High - Item K713M-5

Universal Low - Item K708M-5

Siemens Atellica/Centaur - Item K803M-5

Siemens Stratus - Item K892M-5

INSTRUMENTS	ANALYTES	
Universal	• BNP-32	• NT-proBNP
Siemens Stratus	• NT-proBNP	
Siemens Atellica/ Centaur	• BNP-32	

Cardiac Markers - Linearity

5 x 1mL freeze dried samples

Universal - Item K710M-5

Ortho Vitros - Item K906M-5

PATHFAST - Item K982M-5

RAMP Systems - Item K887M-5

Roche Systems - Item K935M-5

Siemens Atellica/Centaur - Item K804M-5

Siemens Stratus - Item K891M-5

INSTRUMENTS	ANALYTES		
Instruments other than PATHFAST	• CK-MB	• Myoglobin	• Troponin I
PATHFAST	• NT-proBNP	• Troponin I	

D-Dimer - Linearity

5 x 1mL freeze dried samples

Universal - Item K717M-5

bioMerieux VIDAS and miniVIDAS - Item K845M-5

PATHFAST - Item K883M-5

Siemens Stratus - Item K893M-5

INSTRUMENTS	ANALYTES
All listed	• D-Dimer

Homocysteine - Linearity

5 x 1mL freeze dried samples

Universal - Item K704M-5

Siemens Centaur - Item K801M-5

INSTRUMENTS	ANALYTES
All listed	• Homocysteine

hs-CRP - Linearity

5 x 1mL liquid samples

INSTRUMENTS	ANALYTES
All listed	• hs-CRP

Universal - Item K705M-5
Ortho Vitros - Item K907M-5

Troponin T - Linearity

5 x 2mL frozen liquid samples

INSTRUMENTS	ANALYTES
Roche Systems	• Troponin T

Roche Systems - Item K932M-5

CHEMISTRY - GENERAL

Ammonia/Ethanol - Linearity

5 x 2mL liquid samples

INSTRUMENTS	ANALYTES
All listed	• Ammonia • Ethanol

Universal - Item K712M-5
Roche Systems - Item K881M-5

Bilirubin - Linearity

5 x 1mL freeze dried samples

INSTRUMENTS	ANALYTES
All listed	• Bilirubin, direct • Bilirubin, total

Beckman AU - Item K825M-5
Roche Systems - Item K886M-5

Galectin-3 - Linearity

5 x 2mL liquid samples

INSTRUMENTS	ANALYTES
Universal	• Galectin-3

Universal - Item K760M-5

General Chemistry - Linearity

5 x 5mL freeze dried samples

INSTRUMENTS	ANALYTES
Universal	<ul style="list-style-type: none"> • Albumin • Alkaline Phosphatase • ALT (SGPT) • Amylase • AST (SGOT) • Bilirubin, direct • Bilirubin, total • BUN • Calcium • Chloride • Cholesterol, HDL • Cholesterol, LDL • Cholesterol, total • CO₂ • Creatinine Kinase (CK) • Creatinine • Gamma-GT • Glucose • Iron, total • Lactate • LDH • Lipase • Magnesium • Osmolality • Phosphorus • Potassium • Protein, total • Sodium • TIBC • Triglycerides • Uric Acid

Universal - Item K701M-5

Instrument specific General Chemistry -
Linearity on next page.

CHEMISTRY - GENERAL

General Chemistry - Linearity

5 x 3mL freeze dried samples (K824M-5, K940M-5, K941M-5)

5 x 5mL freeze dried samples (K900M-5, K880M-5)

5 x 1mL freeze dried samples (K901M-5, K902M-5, K942M-5)

5 x 2mL freeze dried samples (K943M-5, K903M-5)

5 x 2mL frozen liquid samples (K917M-5, K918M-5)

Abbott Systems Panel 1 - Item K940M-5

Abbott Systems Panel 2 - Item K941M-5

Abbott Systems Panel 3 - Item K942M-5

Abbott Systems Panel 4 - Item K943M-5

Beckman AU - Item K824M-5

Ortho Vitros Panel 1 - Item K900M-5

Ortho Vitros Panel 2 - Item K901M-5

Ortho Vitros Panel 3 - Item K902M-5

Ortho Vitros Panel 4 - Item K903M-5

Roche Systems - Item K880M-5

Roche Systems Panel 1 - Item K917M-5

Roche Systems Panel 2 - Item K918M-5

INSTRUMENTS	ANALYTES			
Abbott Systems Panel 1	• BUN • Calcium • Chloride • CO2	• Creatinine • Glucose • Iron, total • Lactate	• Magnesium • Phosphorus • Potassium • Sodium	• Uric Acid
Abbott Systems Panel 2	• Albumin • Alkaline Phosphatase	• ALT (SGPT) • Amylase • AST (SGOT)	• Creatinine Kinase (CK) • Gamma-GT	• LDH • Lipase • Protein, total
Abbott Systems Panel 3	• Bilirubin, direct	• Bilirubin, total		
Abbott Systems Panel 4	• Cholesterol, HDL	• Cholesterol, LDL	• Cholesterol, total	• Triglycerides
Beckman AU Roche Systems	• Albumin • Alkaline Phosphatase • ALT (SGPT) • Amylase • AST (SGOT) • BUN	• Calcium • Chloride • CO2 • Creatinine Kinase (CK) • Creatinine • Gamma-GT	• Glucose • Iron, total • Lactate • LDH • Lipase • Magnesium • Phosphorus	• Potassium • Protein, total • Sodium • Uric Acid
Ortho Vitros Panel 1	• Albumin • Alkaline Phosphatase • ALT (SGPT) • Amylase • AST (SGOT)	• BUN • Calcium • Chloride • CO2 • Creatinine • Gamma-GT	• Glucose • Iron, total • Lactate • LDH • Lipase • Magnesium	• Phosphorus • Potassium • Protein, total • Sodium • Uric Acid
Ortho Vitros Panel 2	• Creatinine Kinase (CK)			
Ortho Vitros Panel 3	• Bilirubin, conjugated	• Bilirubin, total	• Bilirubin, unconjugated	
Ortho Vitros Panel 4	• Apolipoprotein A-1 • Apolipoprotein B	• Cholesterol, HDL • Cholesterol, LDL	• Cholesterol, total • Triglycerides	
Roche Systems Panel 1	• BUN • Calcium • Chloride • CO2	• Creatinine • Glucose • Iron, total • Lactate	• Magnesium • Phosphate • Potassium • Sodium	• Uric Acid
Roche Systems Panel 2	• Alkaline Phosphatase • ALT (SGPT)	• Amylase • AST (SGOT)	• Creatinine Kinase (CK) • Gamma-GT	• LDH • Lipase • Protein, total

CHEMISTRY - GENERAL

ISE - Linearity

5 x 5mL liquid samples (K726M-5)

5 x 3mL frozen liquid samples (K960M-5)

Universal - Item K726M-5

Siemens Dimension - Item K960M-5

INSTRUMENTS	ANALYTES			
Universal	• Chloride	• Potassium	• Sodium	
Siemens Dimension	• Chloride	• Potassium	• Sodium	• Triglycerides

Lipids - Linearity

5 x 2mL freeze dried samples

Universal - Item K709M-5

Beckman AU - Item K826M-5

Roche Systems - Item K882M-5

INSTRUMENTS	ANALYTES			
Universal	• Apolipoprotein A-I • Apolipoprotein B	• Cholesterol, HDL • Cholesterol, LDL	• Cholesterol, total • Triglycerides	
Beckman AU	• Cholesterol, HDL	• Cholesterol, LDL	• Cholesterol, total	• Triglycerides
Roche Systems	• Apolipoprotein A-I • Apolipoprotein B	• Cholesterol, HDL • Cholesterol, LDL	• Cholesterol, total • Triglycerides	

TIBC - Linearity

5 x 2mL liquid samples

Ortho Vitros - Item K905M-5

INSTRUMENTS	ANALYTES
Ortho Vitros	• TIBC

UIBC - Linearity

5 x 1mL freeze dried samples

Universal - Item K732M-5

INSTRUMENTS	ANALYTES
Universal	• UIBC

CHEMISTRY - URINE

Microalbumin/Microprotein - Linearity

5 x 2mL liquid samples

Universal - Item K722M-5

INSTRUMENTS	ANALYTES
Universal	<ul style="list-style-type: none"> • Microalbumin • Microprotein

Urine/Fluids Chemistry - Linearity

10 x 3mL freeze dried samples (K723M-5)

10 x 3mL frozen liquid samples (K828M-5)

Universal - Item K723M-5

Beckman AU - Item K828M-5

INSTRUMENTS	ANALYTES
Universal	<ul style="list-style-type: none"> • Amylase • Calcium • Chloride • Creatinine • Glucose • Magnesium • Microalbumin • Osmolality • Phosphorus • Potassium • Protein • Sodium • Urea Nitrogen • Uric Acid
Beckman AU	<ul style="list-style-type: none"> • Amylase • Calcium • Chloride • Creatinine • Glucose • Magnesium • Microalbumin • Microprotein • Phosphorus • Potassium • Sodium • Urea Nitrogen • Uric Acid

Beta-Hydroxybutyric Acid - Linearity

5 x 1mL liquid samples

Universal - Item K728M-5

INSTRUMENTS	ANALYTES
Universal	· Beta-Hydroxybutyric Acid

Blood Glucose - Linearity

5 x 1mL liquid samples

Universal - Item K736M-5

INSTRUMENTS	ANALYTES
Universal	· Glucose

Fructosamine - Linearity

5 x 2mL liquid samples

Roche Systems - Item K930M-5

INSTRUMENTS	ANALYTES
Roche Systems	· Fructosamine

Glycohemoglobin (HbA1c) - Linearity

5 x 0.5mL freeze dried samples (K703M-5)

5 x 0.65mL frozen liquid samples (K949M-5, K983M-5)

Universal - Item K703M-5
Abbott Systems - Item K949M-5
Bio-Rad Systems - Item K983M-5

INSTRUMENTS	ANALYTES
All listed	· Glycohemoglobin (HbA1c)

Special Diabetes - Linearity

5 x 2mL frozen liquid samples (K956M-5, K929M-5, K970M-5)

5 x 2mL freeze dried samples (K909M-5)

Abbott Systems - Item K956M-5
Ortho Vitros - Item K909M-5
Roche Systems - Item K929M-5
Siemens Atellica/Centaur - Item K970M-5

INSTRUMENTS	ANALYTES
All listed	· C-Peptide · Insulin

DRUG - MONITORING & ABUSE

Drugs of Abuse - Calibration Verification

4 x 3mL frozen liquid samples (4 levels)

Beckman AU - Item K821M-4
Roche Systems - Item K931M-4

INSTRUMENTS	ANALYTES			
Beckman AU	• 6-AM • AMPH • BARB	• BENZ • Benzoylecgonine • BUP	• METH • OPIA • OXY	• PCP • THC
Roche Systems	• 6-AM • AMPH • BARB	• BENZ • BUP • COCA	• METH • OPIA • OXY	• PCP • THC

Therapeutic Drug Monitoring - Linearity

5 x 5mL freeze dried samples (K707M-5, K802M-5)

5 x 4mL frozen liquid samples (K950M-5, K827M-5, K911M-5, K933M-5)

Universal - Item K707M-5
Abbott Systems - Item K950M-5
Beckman AU - Item K827M-5
Ortho Vitros - Item K911M-5
Roche Systems - Item K933M-5
Siemens Centaur - Item K802M-5

INSTRUMENTS	ANALYTES			
Universal	• Acetaminophen • Carbamazepine (Tegretol) • Digoxin	• Gentamicin • Lithium • Phenobarbital • Phenytoin	• Quinidine • Salicylate • Theophylline • Tobramycin	• Valproic Acid • Vancomycin
Abbott Systems	• Acetaminophen • Amikacin • Carbamazepine (Tegretol)	• Digoxin • Gentamicin • Phenobarbital • Phenytoin	• Salicylate • Theophylline • Tobramycin • Valproic Acid	• Vancomycin
Beckman AU	• Acetaminophen • Amikacin • Carbamazepine (Tegretol) • Digoxin	• Gentamicin • Lidocaine • NAPA • Phenobarbital • Phenytoin	• Primidone • Proccainamide • Quinidine • Salicylate • Theophylline	• Tobramycin • Valproic Acid • Vancomycin
Ortho Vitros	• Acetaminophen • Carbamazepine (Tegretol)	• Digoxin • Gentamicin • Lithium	• Phenytoin • Salicylate • Theophylline	• Tobramycin • Valproic Acid • Vancomycin
Roche Systems	• Acetaminophen • Amikacin • Carbamazepine (Tegretol)	• Digoxin • Gentamicin • NAPA • Phenobarbital	• Phenytoin • Proccainamide • Quinidine • Salicylate	• Theophylline • Tobramycin • Valproic Acid • Vancomycin
Siemens Centaur	• Carbamazepine (Tegretol) • Digoxin	• Gentamicin • Phenobarbital	• Phenytoin • Theophylline	• Valproic Acid • Vancomycin

Active B12 - Linearity

5 x 2mL frozen liquid samples

Universal - Item K980M-5

INSTRUMENTS	ANALYTES
Universal	• Active B12

Anemia - Linearity

5 x 2mL frozen liquid samples (K928M-5, K948M-5, K819M-5)

5 x 3mL freeze dried samples (K809M-5)

Abbott Systems - Item K948M-5

Roche Systems - Item K928M-5

Siemens Atellica/Centaur - Item K809M-5

Siemens Centaur - Item K819M-5

INSTRUMENTS	ANALYTES
All listed	• Cortisol • Ferritin • Folate • Vitamin B12

Anti-Mullerian Hormone - Linearity

5 x 2mL frozen liquid samples

Roche Systems - Item K896M-5

INSTRUMENTS	ANALYTES
Universal	• Anti-Mullerian Hormone

ASO - Linearity

5 x 1mL liquid samples

Universal - Item K721M-5

INSTRUMENTS	ANALYTES
Universal	• ASO

Cystatin C - Linearity

5 x 2mL liquid samples

Universal - Item K735M-5

INSTRUMENTS	ANALYTES
Universal	• Cystatin C

Fertility - Linearity

10 x 2mL frozen liquid samples (K947M-5, K927M-5)

5 x 3mL freeze dried samples (K808M-5)

Abbott Systems - Item K947M-5

Roche Systems - Item K927M-5

Siemens Centaur - Item K808M-5

INSTRUMENTS	ANALYTES
Abbott Systems	• Alpha-Fetoprotein (AFP) • DHEA-S • Estradiol • FSH • hCG • LH • Progesterone • Prolactin • Testosterone
Roche Systems	• Alpha-Fetoprotein (AFP) • DHEA-S • Estradiol • FSH • hCG • HGH • LH • Progesterone • Prolactin • Testosterone
Siemens Centaur	• Estradiol • FSH • hCG • LH • Progesterone • Prolactin • Testosterone

IMMUNOASSAY

Immunoassay - Linearity

10 x 5mL freeze dried samples (K714M-5)

5 x 5mL freeze dried samples (K822M-5)

Universal - Item K714M-5
Abbott Architect i Series - Item K833M-5

INSTRUMENTS	ANALYTES			
Universal	• Cortisol	• FSH	• PSA, Total	• Testosterone
	• Digoxin	• hCG	• T3, Free	• TSH
	• Estradiol	• LH	• T3, Total	• Vitamin B12
	• Ferritin	• Progesterone	• T4, Free	
	• Folate	• Prolactin	• T4, Total	
Abbott Architect i Series	• CEA	• FSH	• Prolactin	• Testosterone
	• Ferritin	• LH	• PSA, Free	• TSH
	• Folate	• Progesterone	• PSA, Total	• Vitamin B12

iPTH - Linearity

5 x 3mL freeze dried samples

Abbott Systems - Item K957M-5
Ortho Vitros - Item K904M-5
Roche Systems - Item K934M-5
Siemens Centaur - Item K813M-5

INSTRUMENTS	ANALYTES
All listed	• iPTH

Procalcitonin - Linearity & Method Validation

5 x 1mL freeze dried samples - Linearity (K834M-5, K841M-5, K894M-5, K814M-5)

25 x 1mL freeze dried samples - Method Validation (K842M-25)

Abbott Architect i Series - Item K834M-5
bioMerieux VIDAS and miniVIDAS - Item K841M-5
bioMerieux VIDAS and miniVIDAS - Item K842M-25
Roche Systems - Item K894M-5
Siemens Atellica - Item K814M-5

INSTRUMENTS	ANALYTES
All listed	• Procalcitonin

RF/CRP - Linearity

5 x 1mL liquid samples

Universal - Item K720M-5

INSTRUMENTS	ANALYTES
Universal	• CRP • RF

Thyroid - Linearity

10 x 2mL freeze dried samples (K832M-5)

10 x 2mL frozen liquid samples (K926M-5)

10 x 3mL freeze dried samples (K807M-5)

Abbott Systems - Item K832M-5
Roche Systems - Item K926M-5
Siemens Atellica/Centaur - Item K807M-5

INSTRUMENTS	ANALYTES			
Abbott Systems	• T3, Free	• T3, Total	• T4, Free	• T4, Total
Roche Systems	• T3, Free	• T4, Free	• TSH	
	• T3, Total	• T4, Total		
Siemens Centaur	• T3, Free	• T4, Free	• TSH	
	• T3, Total	• T4, Total		

IMMUNOASSAY

T-Uptake - Calibration Verification

Tosoh AIA - Item K851M-5

5 x 1mL liquid samples

INSTRUMENTS	ANALYTES
Tosoh AIA	• T-Uptake

Tumor Markers - Linearity

5 x 1mL freeze dried samples (K805M-5 consists of two sets of five samples)

Universal - Item K719M-5
Siemens Atellica/Centaur - Item K805M-5

INSTRUMENTS	ANALYTES
Universal	<ul style="list-style-type: none"> • Alpha-Fetoprotein (AFP) • CA 15-3 • CA 19-9 • CA 125 • CA 27-29 (BR) • CEA • PSA, Free • PSA, Total
Siemens Atellica/Centaur	<ul style="list-style-type: none"> • Alpha-Fetoprotein (AFP) • CA 125 • CA 15-3 • CA 19-9 • CA 27-29 (BR) • CEA • PSA, Total

Tumor Markers - HE4, HER2 - Linearity

5 x 1mL freeze dried samples

Universal - Item K738M-5

INSTRUMENTS	ANALYTES
Universal	<ul style="list-style-type: none"> • HE4 • HER2

Vitamin D - Linearity

5 x 2mL liquid samples (K729M-5, K885M-5)

5 x 1mL frozen liquid samples (K910M-5)

Universal - Item K729M-5
Ortho Vitros - Item K910M-5
Roche Systems - Item K885M-5

INSTRUMENTS	ANALYTES
All listed	• Vitamin D

IMMUNOLOGY

Interleukin 6 - Linearity

5 x 2mL liquid samples

Universal - Item K981M-5

INSTRUMENTS	ANALYTES
Universal	• IL-6

Protein - Linearity

5 x 2mL liquid samples

Universal - Item K702M-5

INSTRUMENTS	ANALYTES
Universal	<ul style="list-style-type: none"> • Alpha-1 Antitrypsin • Complement C3 • Complement C4 • Immunoglobulin G (IgG) • Immunoglobulin M (IgM) • Immunoglobulin A (IgA) • Protein, Total • Transferrin (TRF)

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