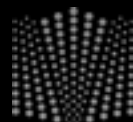


## AUDIT LINEARITY CATALOG



**WSLH Proficiency Testing**  
WISCONSIN STATE LABORATORY OF HYGIENE  
UNIVERSITY OF WISCONSIN-MADISON

PRODUCTS PROVIDED  
IN PARTNERSHIP WITH:



**AUDIT**  
MicroControls

# 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 <sub>2</sub> • pH • pO <sub>2</sub>	• Potassium • Sodium

# CARDIAC

## BNP - Linearity

5 x 1mL freeze dried samples

Universal Extended - Item K737M-5  
Siemens Atellica/Centaur - Item K803M-5

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

## Cardiac Markers - Linearity

5 x 1mL freeze dried samples (K710M-5, K906M-5, K982M-5, K935M-5, K804M-5)

5 x 2mL frozen liquid samples (K908M-5, K936M-5)

Universal - Item K710M-5  
Ortho Vitros - Item K906M-5  
Ortho Vitros - Item K908M-5  
PATHFAST - Item K982M-5  
Roche Systems - Item K935M-5  
Roche Systems - Item K936M-5  
Siemens Atellica/Centaur - Item K804M-5

INSTRUMENTS	ANALYTES			
PATHFAST	• NT-proBNP	• Troponin I		
Roche Systems K936M-5	• CK-MB	• Myoglobin	• Troponin I	• Troponin T
All others not listed above	• CK-MB	• Myoglobin	• 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  
Stago Systems - Item K958M-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

# CHEMISTRY - GENERAL

## Ammonia/Ethanol - Linearity

5 x 2mL liquid samples

Universal - Item K712M-5  
Abbott Systems - Item K899M5  
Roche Systems - Item K881M-5

INSTRUMENTS	ANALYTES
All listed	• Ammonia      • Ethanol

## Bilirubin - Linearity

5 x 1mL freeze dried samples

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

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

## General Chemistry - Linearity

5 x 5mL freeze dried samples

Universal - Item K701M-5

Instrument specific General Chemistry  
- Linearity on next page.

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

# 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)

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

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

# CHEMISTRY - GENERAL

## ISE - Linearity

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

Siemens Dimension - Item K960M-5

INSTRUMENTS	ANALYTES			
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 Roche Systems	• Apolipoprotein A-1	• Apolipoprotein B • Cholesterol, HDL	• Cholesterol, LDL • Cholesterol, total	• Triglycerides
Beckman AU	• 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

## 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	• Amylase	• Glucose	• Phosphorus	• Urea Nitrogen
	• Calcium	• Magnesium	• Potassium	• Uric Acid
	• Chloride	• Microalbumin	• Protein	
	• Creatinine	• Osmolality	• Sodium	
Beckman AU	• Amylase	• Glucose	• Phosphorus	• Uric Acid
	• Calcium	• Magnesium	• Potassium	
	• Chloride	• Microalbumin	• Sodium	
	• Creatinine	• Microprotein	• Urea Nitrogen	

## Urine Chemistry – Linearity

10 x 3mL freeze dried samples (K897M-5)

5 x 3mL freeze dried samples (K898M-5)

Abbott Systems Panel 1 - Item K897M-5  
Abbott Systems Panel 2 - Item K898M-5

INSTRUMENTS	ANALYTES			
Abbott Systems Panel 1	• Phosphorus	• Urea Nitrogen	• Uric Acid	
Abbott Systems Panel 2	• Amylase	• Creatinine	• Microalbumin	• Sodium
	• Calcium	• Glucose	• Microprotein	
	• Chloride	• Magnesium	• Potassium	

Universal - Item K728M-5

## Beta-Hydroxybutyric Acid - Linearity

5 x 1mL liquid samples

INSTRUMENTS	ANALYTES
Universal	• Beta-Hydroxybutyric Acid

## Hemoglobin A1c - Linearity

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

5 x 0.8mL frozen liquid samples (K761M-5)

Universal - Item K703M-5

Universal - Item K761M-5

INSTRUMENTS	ANALYTES
All listed	• HbA1c

## Special Diabetes - Linearity

5 x 2mL freeze dried samples (K889M-5)

10 x 2mL frozen liquid samples (K922M-5)

5 x 2mL frozen liquid samples (K929M-5)

Universal - Item K889M-5

Roche Systems - Item K922M-5

Roche Systems - Item K929M-5

INSTRUMENTS	ANALYTES
Roche Systems K922M-5	• C-Peptide      • Fructosamine      • Insulin
All others not listed above	• C-Peptide      • Insulin

# DRUG - MONITORING

## Therapeutic Drug Monitoring - Linearity

5 x 5mL freeze dried samples (K707M-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

INSTRUMENTS	ANALYTES			
Universal	<ul style="list-style-type: none"> <li>• Acetaminophen</li> <li>• Carbamazepine (Tegretol)</li> <li>• Digoxin</li> </ul>	<ul style="list-style-type: none"> <li>• Gentamicin</li> <li>• Lithium</li> <li>• Phenobarbital</li> <li>• Phenytoin</li> </ul>	<ul style="list-style-type: none"> <li>• Quinidine</li> <li>• Salicylate</li> <li>• Theophylline</li> <li>• Tobramycin</li> </ul>	<ul style="list-style-type: none"> <li>• Valproic Acid</li> <li>• Vancomycin</li> </ul>
Abbott Systems	<ul style="list-style-type: none"> <li>• Acetaminophen</li> <li>• Amikacin</li> <li>• Carbamazepine (Tegretol)</li> </ul>	<ul style="list-style-type: none"> <li>• Digoxin</li> <li>• Gentamicin</li> <li>• Phenobarbital</li> <li>• Phenytoin</li> </ul>	<ul style="list-style-type: none"> <li>• Salicylate</li> <li>• Theophylline</li> <li>• Tobramycin</li> <li>• Valproic Acid</li> </ul>	<ul style="list-style-type: none"> <li>• Vancomycin</li> </ul>
Beckman AU	<ul style="list-style-type: none"> <li>• Acetaminophen</li> <li>• Amikacin</li> <li>• Carbamazepine (Tegretol)</li> <li>• Digoxin</li> </ul>	<ul style="list-style-type: none"> <li>• Gentamicin</li> <li>• Lidocaine</li> <li>• NAPA</li> <li>• Phenobarbital</li> <li>• Phenytoin</li> </ul>	<ul style="list-style-type: none"> <li>• Primidone</li> <li>• Procainamide</li> <li>• Quinidine</li> <li>• Salicylate</li> <li>• Theophylline</li> </ul>	<ul style="list-style-type: none"> <li>• Tobramycin</li> <li>• Valproic Acid</li> <li>• Vancomycin</li> </ul>
Ortho Vitros	<ul style="list-style-type: none"> <li>• Acetaminophen</li> <li>• Carbamazepine (Tegretol)</li> </ul>	<ul style="list-style-type: none"> <li>• Digoxin</li> <li>• Gentamicin</li> <li>• Lithium</li> </ul>	<ul style="list-style-type: none"> <li>• Phenytoin</li> <li>• Salicylate</li> <li>• Theophylline</li> </ul>	<ul style="list-style-type: none"> <li>• Tobramycin</li> <li>• Valproic Acid</li> <li>• Vancomycin</li> </ul>
Roche Systems	<ul style="list-style-type: none"> <li>• Acetaminophen</li> <li>• Amikacin</li> <li>• Carbamazepine (Tegretol)</li> </ul>	<ul style="list-style-type: none"> <li>• Digoxin</li> <li>• Gentamicin</li> <li>• NAPA</li> <li>• Phenobarbital</li> </ul>	<ul style="list-style-type: none"> <li>• Phenytoin</li> <li>• Procainamide</li> <li>• Quinidine</li> <li>• Salicylate</li> </ul>	<ul style="list-style-type: none"> <li>• Theophylline</li> <li>• Tobramycin</li> <li>• Valproic Acid</li> <li>• Vancomycin</li> </ul>



## 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 (K818M-5, K927M-5)  
 5 x 3mL freeze dried samples (K808M-5)

Roche Systems - Item K927M-5  
 Siemens Atellica/Centaur - Item K818M-5  
 Siemens Centaur - Item K808M-5

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

# 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, K814M-5)

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

Abbott Architect i Series - Item K834M-5  
bioMerieux VIDAS - Item K841M-5  
bioMerieux VIDAS and miniVIDAS - Item K842M-25  
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 Siemens Atellica/ Centaur	• T3, Free	• T4, Free	• TSH	
	• T3, Total	• T4, Total		

## 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"> <li>• Alpha-Fetoprotein (AFP)</li> <li>• CA 125</li> </ul>
Siemens Atellica/Centaur	<ul style="list-style-type: none"> <li>• Alpha-Fetoprotein (AFP)</li> </ul>

ANALYTES
<ul style="list-style-type: none"> <li>• CA 15-3</li> <li>• CA 19-9</li> <li>• CA 125</li> <li>• CA 15-3</li> </ul>
<ul style="list-style-type: none"> <li>• CA 27-29 (BR)</li> <li>• CEA</li> <li>• CA 19-9</li> <li>• CA 27-29 (BR)</li> </ul>
<ul style="list-style-type: none"> <li>• PSA, Free</li> <li>• PSA, Total</li> <li>• CEA</li> <li>• PSA, Total</li> </ul>

## Vitamin D - Linearity

5 x 1mL frozen liquid samples (K910M-5)  
5 x 2mL frozen liquid samples (K764M-5, K923M-5)

Universal - Item K764M-5  
Ortho Vitros - Item K910M-5  
Roche Systems - Item K923M-5

INSTRUMENTS	ANALYTES
All listed	• Vitamin D

# IMMUNOLOGY

## Protein - Linearity

Universal - Item K702M-5

5 x 2mL liquid samples

INSTRUMENTS	ANALYTES
Universal	<ul style="list-style-type: none"> <li>• Alpha-1 Antitrypsin</li> <li>• Complement C3</li> <li>• Complement C4</li> </ul>

ANALYTES
<ul style="list-style-type: none"> <li>• Immunoglobulin G (IgG)</li> <li>• Immunoglobulin M (IgM)</li> <li>• Immunoglobulin A (IgA)</li> <li>• Protein, Total</li> <li>• Transferrin (TRF)</li> </ul>

# ABOUT WSLH PROFICIENCY TESTING



## YOUR LAB, OUR MISSION

WSLH Proficiency Testing

**The national public health lab that's on a mission to provide reliable, affordable, and easy-to-use proficiency products.**

From staffing productivity and ever-evolving technology to time constraints and redirected revenue, Wisconsin State Laboratory of Hygiene (WSLH) Proficiency Testing knows you are working more strategically than ever before to break down barriers to quality patient testing. Everyday behind the doors of Wisconsin's public and environmental health lab, WSLH Proficiency Testing is helping labs like yours stay creative and in control of your costs without sacrificing accurate, reliable results.

Located in the beautiful capital city of Madison, Wisconsin, WSLH Proficiency Testing is part of a national public health lab that connects you to a team of experienced Medical Technologists and to an array of relevant resources to help you overcome quality assurance challenges.

In addition, WSLH PT has partnered with AUDIT to bring you Calibration Verification/Linearity products. AUDIT products can assist laboratories in meeting CLIA 88 calibration verification requirements.

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