



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



LINEARITY CATALOG

BLOOD GAS

Blood Gas - Calibration Verification

Item #	Instrument	Product Name	Sample
K727M-5	Universal	Blood Gas (Cal Ver)	15 x 2 mL

Samples are 5 levels of Liquid samples

ANALYTES

- BUN
- Chloride
- Lactate
- pO₂
- Calcium, Ionized
- Creatinine
- pCO₂
- Potassium
- Glucose
- pH
- Sodium

CARDIAC

BNP/NT-proBNP - Linearity

Item #	Instrument	Product Name	Sample
K737M-5	Universal	BNP (Extended)	5 x 1 mL
K836M-5	Abbott Systems	NT-proBNP	5 x 1 mL
K803M-5	Siemens Atellica	BNP	5 x 1 mL

All samples are Freeze Dried

ANALYTES

Universal-K737M-5, Siemens-K803M-5

- BNP-32
- NT-proBNP

Abbott-K836M-5

- NT-proBNP

Cardiac Markers - Linearity

Item #	Instrument	Product Name	Sample
K710M-5	Universal	Cardiac Markers	5 x 1 mL
K906M-5	Ortho Vitros	Cardiac Markers	5 x 1 mL
K982M-5	PATHFAST	Cardiac Markers	5 x 1 mL
K935M-5	Roche Systems	Cardiac Markers	5 x 1 mL
K804M-5	Siemens Atellica	Cardiac Markers	5 x 1 mL

All samples are Freeze Dried

ANALYTES

Universal-K710M-5, Siemens-K804M-5

- CK-MB
- Myoglobin
- Troponin I

Ortho-K906M-5

- CK-MB
- Myoglobin
- NT-proBNP
- Troponin I

PATHFAST-K982M-5

- NT-proBNP
- Troponin I

Roche-K935M-5

- CK-MB
- Myoglobin
- NT-proBNP
- Troponin I
- Troponin T

D-Dimer - Linearity

Item #	Instrument	Product Name	Sample
K717M-5	Universal	D-Dimer	5 x 1 mL
K845M-5	biomerieux VIDAS and miniVIDAS	D-Dimer	5 x 1 mL
K883M-5	PATHFAST	D-Dimer	5 x 1 mL
K958M-5	Stago Systems	D-Dimer	5 x 1 mL

All samples are Freeze Dried

ANALYTES

• D-Dimer

Homocysteine - Linearity

Item #	Instrument	Product Name	Sample
K704M-5	Universal	Homocysteine	5 x 1 mL
K801M-5	Siemens Centaur	Homocysteine	5 x 1 mL

All samples are Liquid

ANALYTES

• Homocysteine

hs-CRP - Linearity

Item #	Instrument	Product Name	Sample
K705M-5	Universal	hs-CRP	5 x 1 mL

All samples are Liquid

ANALYTES

• hs-CRP

CHEMISTRY - GENERAL

Ammonia/Ethanol - Linearity

Item #	Instrument	Product Name	Sample
K712M-5	Universal	Ammonia/Ethanol	5 x 2 mL
K899M-5	Abbott Systems	Ammonia/Ethanol	5 x 2 mL
K830M-5	Ortho Vitros	Ammonia/Ethanol	5 x 2 mL
K881M-5	Roche Systems	Ammonia/Ethanol	5 x 2 mL

All samples are Liquid

ANALYTES

- Ammonia
- Ethanol

Bilirubin - Linearity

Item #	Instrument	Product Name	Sample
K742M-5	Universal	Bilirubin	5 x 2 mL
K942M-5	Abbott Systems	General Chemistry Panel 3	5 x 1 mL
K866M-5	Alfa Wassermann	General Chemistry Panel 3	5 x 1 mL
K825M-5	Beckman AU	Bilirubin	5 x 2 mL
K902M-5	Ortho Vitros	General Chemistry Panel 3	5 x 1 mL
K886M-5	Roche Systems	Bilirubin	5 x 1 mL

All samples are Freeze Dried

ANALYTES

Universal-K742M-5, Abbott-K942M-5, Alfa Wass-K866M-5, Beckman-K825M-5, Roche-K886M-5

- Bilirubin, direct
- Bilirubin, total

Ortho-K902M-5

- Bilirubin, conjugated
- Bilirubin, total
- Bilirubin, unconjugated

Lipids - Linearity

Item #	Instrument	Product Name	Sample
K709M-5	Universal	Lipids	5 x 2 mL
K943M-5	Abbott Systems	General Chemistry Panel 4	10 x 2 mL
K867M-10	Alfa Wassermann	General Chemistry Panel 4	10 x 2 mL
K826M-5	Beckman AU	Lipids	5 x 2 mL
K903M-5	Ortho Vitros	General Chemistry Panel 4	10 x 2 mL
K882M-5	Roche Systems	Lipids	5 x 2 mL

All samples are Freeze Dried

ANALYTES

Universal-K709M-5, Ortho-K903M-5, Roche-K882M-5

- Apolipoprotein A-1
- Cholesterol, HDL
- Cholesterol, total
- Apolipoprotein B
- Cholesterol, LDL
- Triglycerides

Abbott-K943M-5, Alfa Wass-K867M-10, Beckman-K826M-5

- Cholesterol, HDL
- Cholesterol, total
- Cholesterol, LDL
- Triglycerides

CHEMISTRY - GENERAL

General Chemistry - Linearity

Item #	Instrument	Product Name	Sample
K701M-5	Universal	General Chemistry	10 x 5 mL
K940M-5	Abbott Systems	General Chemistry Panel 1	10 x 3 mL
K941M-5	Abbott Systems	General Chemistry Panel 2	5 x 3 mL
K864M-5	Alfa Wassermann	General Chemistry Panel 1	10 x 3 mL
K865M-5	Alfa Wassermann	General Chemistry Panel 2	10 x 3 mL
K824M-5	Beckman AU	General Chemistry	10 x 3 mL
K900M-5	Ortho Vitros	General Chemistry Panel 1	10 x 5 mL
K901M-5	Ortho Vitros	General Chemistry Panel 2	5 x 1 mL
K880M-5	Roche Systems	General Chemistry	10 x 5 mL

All samples are Freeze Dried

Bilirubin and Lipid Linearity for instruments listed on this page are available on page 4.

ANALYTES

Universal-K701M-5

- Albumin
- Alkaline Phosphatase
- ALT (SGPT)
- Amylase
- AST (SGOT)
- 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

Abbott-K940M-5

- BUN
- Calcium
- Chloride
- CO₂
- Creatinine
- Glucose
- Iron, total
- Lactate
- Magnesium
- Phosphorus
- Potassium
- Sodium
- Uric Acid

Alfa Wass-K864M-5

- BUN
- Calcium
- Chloride
- CO₂
- Creatinine
- Glucose
- Iron, total
- Magnesium
- Phosphorus
- Potassium
- Sodium
- Uric Acid

Abbott-K941M-5, Alfa Wass-K865M-5

- Albumin
- Alkaline Phosphatase
- ALT (SGPT)
- Amylase
- AST (SGOT)
- Creatinine Kinase (CK)
- Creatinine
- Gamma-GT
- LDH
- Lipase
- Protein, total

Beckman-K824M-5, Roche-K880M-5

- 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-K900M-5

- 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-K901M-5

- Creatinine Kinase (CK)

CHEMISTRY - GENERAL

ISE - Linearity

Item #	Instrument	Product Name	Sample
K815M-5	Siemens Atellica	ISE	5 x 2 mL
K960M-5	Siemens Dimension	ISE + Trigs	5 x 3 mL

K815M-5 samples are Freeze Dried

K960M-5 samples are Frozen Liquid

ANALYTES

Siemens Atellica-K815M-5

• Chloride • Potassium • Sodium

Siemens Dimension-K960M-5

• Chloride • Potassium • Sodium • Triglycerides

Lipoprotein (a) - Linearity

Item #	Instrument	Product Name	Sample
K743M-5	Universal	Lipoprotein (a)	5 x 2 mL

All samples are Freeze Dried

ANALYTES

• Lipoprotein (a)

Osmolality - Linearity

Item #	Instrument	Product Name	Sample
K745M-5	Universal	Osmolality	5 x 2 mL

All samples are Liquid

ANALYTES

• Osmolality

Special Proteins - Linearity

Item #	Instrument	Product Name	Sample
K762M-5	Universal	Special Proteins	5 x 2 mL

All samples are Liquid

ANALYTES

• A2MG • Ceruloplasmin • Haptoglobin • IgE

Traumatic Brain Injury (TBI) - Linearity

Item #	Instrument	Product Name	Sample
K739M-10	Universal	Traumatic Brain Injury	10 x 0.5 mL

All samples are Freeze Dried

ANALYTES

• GFAP • UCH-L1

CHEMISTRY - GENERAL

TIBC - Linearity

Item #	Instrument	Product Name	Sample
K905M-5	Ortho Vitros	TIBC	5 x 2 mL

All samples are Liquid

ANALYTES

• TBIC

UIBC - Linearity

Item #	Instrument	Product Name	Sample
K732M-5	Universal	UIBC	5 x 1 mL

All samples are Freeze Dried

ANALYTES

• UBIC

CHEMISTRY - URINE

Urine/Fluids Chemistry - Linearity

Item #	Instrument	Product Name	Sample
K723M-5	Universal	Urine/Fluids Chemistry	10 x 3 mL
K897M-5	Abbott Systems	Urine Chemistry Panel 1	10 x 3 mL
K898M-5	Abbott Systems	Urine Chemistry Panel 2	5 x 3 mL
K829M-10	Beckman AU	Urine Chemistry	10 x 3 mL

All samples are Freeze Dried

ANALYTES

Universal-K723M-5

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

Abbott-K897M-5

• Phosphorus • Urea Nitrogen • Uric Acid

Abbott-K898M-5

• Amylase • Creatinine • Microalbumin • Sodium
• Calcium • Glucose • Microprotein
• Chloride • Magnesium • Potassium

Beckman-K829M-10

• Amylase • Glucose • Potassium • Uric Acid
• Calcium • Magnesium • Protein
• Chloride • Microalbumin • Sodium
• Creatinine • Phosphorus • Urea Nitrogen

DIABETES

Beta-Hydroxybutyric Acid - Linearity

Item #	Instrument	Product Name	Sample
K728M-5	Universal	Beta Hydroxybutyric Acid	5 x 1 mL

All samples are Liquid

ANALYTES

- Beta-Hydroxybutyric Acid

Hemoglobin A1c - Linearity

Item #	Instrument	Product Name	Sample
K703M-5	Universal	HbA1c	5 x 0.5 mL
K761M-5	Universal	HbA1c	5 x 0.8 mL

K703M-5 samples are Freeze Dried

K761M-5 samples are Frozen Liquid

ANALYTES

- HbA1c

Special Diabetes - Linearity

Item #	Instrument	Product Name	Sample
K889M-5	Universal	Special Diabetes	5 x 2 mL
K922M-5	Roche Systems	Special Diabetes	10 x 2 mL

K889M-5 samples are Freeze Dried

K922M-5 samples are Frozen Liquid

ANALYTES

Universal-K889M-5

- C-Peptide
- Insulin

Roche-K922M-5

- C-Peptide
- Fructosamine
- Insulin

DRUG - MONITORING

Therapeutic Drug Monitoring - Linearity

Item #	Instrument	Product Name	Sample
K707M-5	Universal	TDM	5 x 5 mL
K950M-5	Abbott Systems	TDM	5 x 4 mL
K827M-5	Beckman AU	TDM	5 x 4 mL
K911M-5	Ortho Vitros	TDM	5 x 4 mL
K933M-5	Roche Systems	TDM	5 x 4 mL

K707M-5 samples are Freeze Dried

All other samples are Frozen Liquid

ANALYTES

Universal-K707M-5

- Acetaminophen
- Carbamazepine (Tegretol)
- Digoxin
- Gentamicin
- Lithium
- Phenobarbital
- Phenytoin
- Quinidine
- Salicylate
- Theophylline
- Tobramycin
- Valproic Acid
- Vancomycin

Abbott-K950M-5

- Acetaminophen
- Amikacin
- Carbamazepine (Tegretol)
- Digoxin
- Gentamicin
- Phenobarbital
- Phenytoin
- Salicylate
- Theophylline
- Tobramycin
- Valproic Acid
- Vancomycin

Beckman-K827M-5

- Acetaminophen
- Amikacin
- Carbamazepine (Tegretol)
- Digoxin
- Gentamicin
- Lidocaine
- NAPA
- Phenobarbital
- Phenytoin
- Primidone
- Procainamide
- Quinidine
- Salicylate
- Theophylline
- Tobramycin
- Valproic Acid
- Vancomycin

Ortho-K911M-5

- Acetaminophen
- Carbamazepine (Tegretol)
- Digoxin
- Gentamicin
- Lithium
- Phenytoin
- Salicylate
- Theophylline
- Tobramycin
- Valproic Acid
- Vancomycin

Roche-K933M-5

- Acetaminophen
- Amikacin
- Carbamazepine (Tegretol)
- Digoxin
- Gentamicin
- NAPA
- Phenobarbital
- Phenytoin
- Procainamide
- Quinidine
- Salicylate
- Theophylline
- Tobramycin
- Valproic Acid
- Vancomycin

IMMUNOASSAY

Anemia - Linearity

Item #	Instrument	Product Name	Sample
K928M-5	Roche Systems	Anemia	5 x 2 mL
K809M-5	Siemens Atellica	Anemia	5 x 3 mL
K819M-5	Siemens Centaur	Anemia	5 x 2 mL

K928M-5 and K819M-5 samples are Frozen Liquid
K809M-5 samples are Freeze Dried

ANALYTES

• Cortisol • Ferritin • Folate • Vitamin B12

Anti-Mullerian Hormone - Linearity

Item #	Instrument	Product Name	Sample
K896M-5	Roche Systems	Anti-Mullerian Hormone	5 x 1 mL

All samples are Frozen Liquid

ANALYTES

• Anti-Mullerian Hormone

ASO - Linearity

Item #	Instrument	Product Name	Sample
K721M-5	Universal	ASO	5 x 1 mL

All samples are Liquid

ANALYTES

• ASO

Cystatin C - Linearity

Item #	Instrument	Product Name	Sample
K735M-5	Universal	Cystatin C	5 x 2 mL

All samples are Liquid

ANALYTES

• Cystatin C

Fertility - Linearity

Item #	Instrument	Product Name	Sample
K927M-5	Roche Systems	Fertility	10 x 2 mL
K808M-5	Siemens Atellica	Fertility	5 x 3 mL
K818M-5	Siemens Atellica	Fertility	10 x 2 mL

K927M-5 and K818M-5 samples are Frozen Liquid
K808M-5 samples are Freeze Dried

ANALYTES

Roche-K927M-5

- Alpha-Fetoprotein (AFP)
- Estradiol
- HGH
- Prolactin
- FSH
- LH
- Testosterone
- DHEA-S
- hCG
- Progesterone

Siemens-K808M-5

- Estradiol
- hCG
- Progesterone
- Testosterone
- FSH
- LH
- Prolactin

Siemens-K818M-5

- Alpha-Fetoprotein (AFP)
- Estradiol
- LH
- Testosterone
- FSH
- Progesterone
- DHEA-S
- hCG
- Prolactin

Immunoassay - Linearity

Item #	Instrument	Product Name	Sample
K714M-5	Universal	Immunoassay	10 x 5 mL
K833M-5	Abbott Systems	Immunoassay	5 x 5 mL

All samples are Freeze Dried

ANALYTES

Universal-K714M-5

- Cortisol
- hCG
- T3, Free
- TSH
- Estradiol
- LH
- T3, Total
- Vitamin B12
- Ferritin
- Progesterone
- T4, Free
- Folate
- Prolactin
- T4, Total
- FSH
- PSA, Total
- Testosterone

Abbott-K833M-5

- Alpha-Fetoprotein (AFP)
- Estradiol
- LH
- Testosterone
- CEA
- Ferritin
- Progesterone
- TSH
- Cortisol
- Folate
- Prolactin
- Vitamin B12
- DHEA-S
- FSH
- PSA, Free
- PSA, Total

IMMUNOASSAY

iPTH - Linearity

Item #	Instrument	Product Name	Sample
K957M-5	Abbott Systems	iPTH	5 x 3 mL
K904M-5	Ortho Vitros	iPTH	5 x 3 mL
K934M-5	Roche Systems	iPTH	5 x 3 mL
K813M-5	Siemens Atellica	iPTH	5 x 3 mL

All samples are Freeze Dried

ANALYTES

• iPTH

Procalcitonin - Linearity & Method Validation

Item #	Instrument	Product Name	Sample
K834M-5	Abbott Architect	Procalcitonin	5 x 1 mL
K841M-5	bioMerieux Vidas	Procalcitonin	5 x 1 mL
K814M-5	Siemens Atellica	Procalcitonin	5 x 1 mL

All samples are Freeze Dried

ANALYTES

• Procalcitonin

RF/CRP - Linearity

Item #	Instrument	Product Name	Sample
K720M-5	Universal	RF/CRP	5 x 1 mL

All samples are Liquid

ANALYTES

• CRP • RF

Thyroid - Linearity

Item #	Instrument	Product Name	Sample
K832M-5	Abbott Systems	Thyroid	10 x 2 mL
K962M-10	Ortho Vitros	Thyroid	10 x 2 mL
K926M-5	Roche Systems	Thyroid	10 x 2 mL
K807M-5	Siemens Atellica	Thyroid	10 x 3 mL

K832M-5 and K807M-5, K962M-10 samples are Freeze Dried
K926M-5 samples are Frozen Liquid

ANALYTES

Abbott-K832M-5, Ortho Vitros-K962M-10

• T3, Free • T3, Total • T4, Free • T4, Total

Roche-K926M-5, Siemens-K807M-5

• T3, Free • T4, Free • TSH
• T3, Total • T4, Total

T-Uptake - Calibration Verification

Item #	Instrument	Product Name	Sample
K851M-5	Tosoh AIA	T-Uptake	5 x 1 mL

All samples are Liquid

ANALYTES

- T-Uptake

Tumor Markers - Linearity

Item #	Instrument	Product Name	Sample
K719M-5	Universal	Tumor Markers	10 x 1 mL
K939M-10	Abbott Systems	Tumor Markers	10 x 1 mL
K924M-10	Roche Systems	Tumor Markers	10 x 1 mL
K805M-5	Siemens Atellica/Centaur	Tumor Markers	10 x 1 mL

All samples are Freeze Dried

ANALYTES

Universal-K719M-5

- Alpha-Fetoprotein (AFP)
- CA 15-3
- CA 19-9
- CA 125
- CA 27-29 (BR)
- CEA
- PSA, Free
- PSA, Total

Abbott-K939M-10

- Alpha-Fetoprotein (AFP)
- CA 125
- CA 15-3
- CA 19-9
- CEA
- PSA Free
- PSA, Total

Roche-K924M-10

- Alpha-Fetoprotein (AFP)
- CA 125
- CA 15-3
- CA 19-9
- CEA
- PSA, Total

Siemens-K805M-5

- Alpha-Fetoprotein (AFP)
- CA 125
- CA 15-3
- CA 19-9
- CA 27-29 (BR)
- CEA
- PSA, Total

Vitamin D - Linearity

Item #	Instrument	Product Name	Sample
K764M-5	Universal	Vitamin D	5 x 2 mL
K910M-5	Ortho Vitros	Vitamin D	5 x 1 mL
K923M-5	Roche Systems	Vitamin D	5 x 2 mL

All samples are Frozen Liquid

ANALYTES

- Vitamin D

Protein - Linearity

Item #	Instrument	Product Name	Sample
K702M-5	Universal	Protein	5 x 2 mL

All samples are Liquid

ANALYTES

- Alpha-1 Antitrypsin
- Complement C3
- Complement C4
- Immunoglobulin G (IgG)
- Immunoglobulin M (IgM)
- Immunoglobulin A (IgA)
- Protein, Total
- Transferrin (TRF)

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.

Learn more about our products at: wslhpt.org or call (800) 462-5261 for more information.

