



Accredited Proficiency Testing Provider

A2LA has accredited

AMERICAN PROFICIENCY INSTITUTE

Traverse City, MI

This accreditation covers the specific proficiency testing schemes listed on the agreed upon Scope of Accreditation.

This provider is accredited in accordance with the recognized International Standard ISO/IEC 17043: 2023

Conformity assessment - General requirements for the competence of proficiency testing providers. This accreditation demonstrates technical competence for a defined scope and the operation of a quality management system.



Presented this 7th day of August 2023.

A blue ink signature of Trace McInturff.

Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3094.01
Valid to December 31, 2026

For the proficiency testing schemes to which this accreditation applies, please refer to the provider's Scope of Accreditation.



SCOPE OF ACCREDITATION TO ISO/IEC 17043:2023

AMERICAN PROFICIENCY INSTITUTE
 1159 Business Park Drive
 Traverse City, MI 49686
 Sue Styles 231 941 5887

PROFICIENCY TESTING PROVIDER

Valid To: December 31, 2026

Certificate Number: 3094.01

In recognition of the successful completion of the A2LA evaluation process, this Proficiency Testing Provider has been found to meet the ISO/IEC 17043:2023, "Conformity assessment - General Requirements for the competence of Proficiency Testing Providers". Accreditation is granted to this organization to provide proficiency testing samples in the following analyte/matrix combinations:

Scheme / Program	Analytes	Qualitative / Quantitative
<u>Chemistry</u>		
Chemistry	Albumin Alkaline Phosphatase Alpha-fetoprotein ALT / SGPT Amylase AST / SGOT Bilirubin, Direct Bilirubin, Total Calcium, Ionized Calcium, Total Chloride Cholesterol, Total CO2 Cortisol Creatine Kinase / CK Creatinine GGT Glucose HDL Cholesterol Iron, Total Lactic Acid LD / LDH LDL Cholesterol (measured) LDL Cholesterol (calculated)	Quantitative

Scheme / Program	Analytes	Qualitative / Quantitative
Chemistry (<i>cont.</i>)	Lipase Magnesium Osmolality Phosphorus Potassium Sodium Thyroxine / T4 Free T4 Triiodothyronine / T3 Free T3 TIBC (measured) TIBC (iron-based calculation) Total Protein Triglycerides TSH T Uptake UIBC (measured) Urea Nitrogen / BUN Uric Acid	Quantitative
Chemistry - Endocrinology	Alpha-fetoprotein Cortisol T-Uptake Thyroxine / T4 Free T4 Triiodothyronine / T3 Free T3 TSH	Quantitative
Alcohol	Alcohol Acetone	Quantitative Qualitative
Ammonia	Ammonia	Quantitative
Amniotic Fluid pH	pH (nitrazine) pH interpretation	Semi-quantitative Qualitative
B-Ketone	Beta-Hydroxybutyrate	Quantitative
Blood Gas with Chemistries	Calcium, Ionized Chloride Creatinine Glucose Lactate Magnesium, Ionized pCO2 pH pO2 Potassium Sodium tCO2 Urea Nitrogen / BUN	Quantitative
Blood Gas H&H	Hemoglobin Hematocrit	Quantitative

Scheme / Program	Analytes	Qualitative / Quantitative
Blood Lead	Lead	Quantitative
Blood Oximetry	Carboxyhemoglobin Hematocrit (calculated) Hemoglobin, Total Methemoglobin Oxyhemoglobin	Quantitative
Cardiac Markers	CK, Total CK-MB BNP D-dimer Myoglobin NT pro-BNP Troponin I (conventional & high sensitivity) Troponin T (high sensitivity)	Quantitative Quantitative Quantitative Quantitative Quantitative Quantitative Quantitative
Fetal Fibronectin	Fetal Fibronectin	Qualitative
Fetal ROM	Fetal Membrane Rupture	Qualitative
Glycohemoglobin	HbA1c	Quantitative
HemoCue	Glucose Hemoglobin	Quantitative Quantitative
Immunoassay	CEA DHEA-S Estradiol Estriol (unconjugated) Ferritin Folate FSH Homocysteine LH PAP Prealbumin Progesterone Prolactin PSA, Total Testosterone TIBC (transferrin-based calculation) Transferrin Vitamin B-12	Quantitative
Immunoassay - Special	25-OH Vitamin D C-peptide Gastrin Insulin Parathyroid Hormone	Quantitative

Scheme / Program	Analytes	Qualitative / Quantitative
i-Stat Blood Gas & Chemistry	Calcium, Ionized Chloride CO2 (tCO2) Creatinine Glucose Hematocrit Hemoglobin Lactate pCO2 pH pO2 Potassium Sodium Urea Nitrogen / BUN	Quantitative
Lipid Plus	Cholesterol, Total Glucose HDL Cholesterol LDL Cholesterol (calculated) Triglycerides	Quantitative
Neonatal Bilirubin	Bilirubin, Total Bilirubin, Direct	Quantitative
POC Glucose	Glucose, whole blood	Quantitative
Procalcitonin	Procalcitonin	Quantitative
Serum HCG	HCG, serum	Qualitative, Quantitative
SHBG & Testosterone	Sex Hormone Binding Globulin Testosterone, Bioavailable Testosterone, Free Testosterone, Total	Quantitative
Therapeutic Drugs	Acetaminophen Amikacin Carbamazepine Digoxin Gentamicin Lidocaine Lithium Phenobarbital Phenytoin Salicylates Theophylline Tobramycin Valproic Acid Vancomycin	Quantitative

Scheme / Program	Analytes	Qualitative / Quantitative
Thyroid - Special	Thyroxine / T4 Free T4 Triiodothyronine / T3 Free T3 TSH T Uptake	Quantitative
Tumor Markers	Beta-2 Microglobulin CA 125 CA 15-3 CA 19-9 CA 27.29 CEA PSA, Total Free PSA Complexed PSA Thyroglobulin	Quantitative
<u>Urine Chemistry & Body Fluid Analysis</u>		
Body Fluid Chemistry	Body Fluid Albumin Body Fluid Alkaline Phosphatase Body Fluid Amylase Body Fluid Bilirubin, Total Body Fluid Calcium Body Fluid Chloride Body Fluid Cholesterol Body Fluid Creatinine Body Fluid Glucose Body Fluid LD / LDH Body Fluid Lipase Body Fluid pH (color comp or quant) Body Fluid Potassium Body Fluid Sodium Body Fluid Total Protein Body Fluid Triglycerides Body Fluid Urea Nitrogen Body Fluid Uric Acid	Quantitative
CSF Chemistry	CSF Albumin CSF Chloride CSF Glucose CSF IgG CSF Lactic Acid CSF LD / LDH CSF Sodium CSF Total Protein	Quantitative
Ethyl Glucuronide	Ethyl glucuronide (EtG)	Qualitative



Scheme / Program	Analytes	Qualitative / Quantitative
Microalbumin	Microalbumin Urine Creatinine	Semi-quant, Quant Semi-quant, Quant
Urine Adulterants	Creatinine Nitrite Oxidants pH Specific Gravity	Qual, Semi-quant, Quant Qual, Semi-quant, Quant Qualitative, Quantitative Qual, Semi-quant, Quant Qual, Semi-quant, Quant
Urine Chemistry	Urine Amylase Urine Calcium Urine Chloride Urine Creatinine Urine Glucose Urine Magnesium Urine Microalbumin Urine Osmolality Urine Phosphorus Urine Potassium Urine Sodium Urine Total Protein Urine Urea Urine Uric Acid	Quantitative
Urine Drug Screen	6-Acetylmorphine Acetaminophen Alcohol Amphetamines Amphetamines / Methamphetamines Barbiturates Benzodiazepines Buprenorphine Cannabinoids Carisoprodol Cocaine Metabolites Cotinine EDDP Fentanyl Hydrocodone LSD MDMA Meperidine Methadone Methadone / EDDP Methamphetamines Methaqualone Opiates Oxycodone Phencyclidine Propoxyphene Tramadol Tricyclic Antidepressants Zolpidem	Qualitative



Scheme / Program	Analytes	Qualitative / Quantitative
<u>Hematology</u>		
Hematology - 3	Automated Differential Hematocrit Hemoglobin Platelet Count RBC WBC MCH MCHC MCV MPV RDW	Quantitative
Hematology - 3S	Automated Differential Hematocrit Hemoglobin Platelet Count RBC WBC MCH MCHC MCV MPV RDW-CV RDW-SD	Quantitative
Hematology - 5A	Automated Differential Hematocrit Hemoglobin Platelet Count RBC WBC MCH MCHC MCV MPV RDW	Quantitative



Scheme / Program	Analytes	Qualitative / Quantitative
Hematology - 5C	Automated Differential Hematocrit Hemoglobin Platelet Count RBC WBC Immature Reticulocyte Fraction (IRF) MCH MCHC MCV MPV nRBC RDW-CV RDW-SD Reticulocyte Count	Quantitative
Hematology - 5D	Automated Differential Hematocrit Hemoglobin Platelet Count RBC WBC Immature Reticulocyte Fraction (IRF) MCH MCHC MCV MPV nRBC RDW Reticulocyte Count	Quantitative
Hematology-5H	Automated Differential Hematocrit Hemoglobin Platelet Count RBC WBC MCH MCHC MCV MPV RDW-CV RDW-SD	Quantitative



Scheme / Program	Analytes	Qualitative / Quantitative
Hematology - 5S	Automated Differential Hematocrit Hemoglobin Platelet Count RBC WBC Immature Reticulocyte Fraction (IRF) MCH MCHC MCV MPV nRBC RDW-CV RDW-SD Reticulocyte Count Immature Granulocytes (IG# / IG%) Immature Platelet Fraction (IPF) Reticulocyte Hemoglobin (RET He)	Quantitative
Blood Cell ID	Blood Cell Identification Blood Cell Identification (educational)	Qualitative
Advanced Blood Cell ID	Blood Cell Identification (educational)	Qualitative
Body Fluid Cell Count - C	RBC Count WBC Count	Quantitative Quantitative
Body Fluid Cell Count - I	RBC Count Nucleated Cell Count	Quantitative Quantitative
Body Fluid Microscopy	ID of cells / formed elements	Qualitative
Cell Count and Body Fluid Crystals	RBC Count WBC Count 2-part differential (Mononuclear/PMN) 5-part differential Body Fluid Crystal ID	Quantitative Quantitative Quantitative Quantitative Qualitative
Fetal Hemoglobin	Fetal Hemoglobin	Qualitative
Flow Cytometry	CD3 (T Cells) CD4 (T Helper) CD8 (T Cytotoxic) CD19 (B Cells) CD45 (Leukocytes) CD56 / CD16+56 (NK cells)	Quantitative
HemoCue White Blood Cell Count	WBC	Quantitative
Reticulocyte Count	Reticulocyte Count	Quantitative
Sedimentation Rate	Sedimentation Rate	Quantitative
Sickle Cell Screen	Sickle Cell Screen	Qualitative
Waived Hemoglobin and Hematocrit	Hemoglobin Hematocrit	Quantitative Quantitative

Scheme / Program	Analytes	Qualitative / Quantitative
<u>Coagulation</u>		
Coagulation	APTT Fibrinogen INR Prothrombin Time	Quantitative
D-dimer/FDP - Qualitative	D-dimer	Qualitative
D-dimer - Quantitative	D-dimer	Quantitative
Heparin Assay	Anti-Xa APTT INR Prothrombin Time Thrombin Time	Quantitative
i-Stat ACT	Activated Clotting Time	Quantitative
Platelet Function - Aspirin Test	Aspirin-induced inhibition	Quantitative
Platelet Function - PRU Test	P2Y12 inhibition	Quantitative
POC Coagulation	INR Prothrombin Time	Quantitative Quantitative
Thromboelastogram	R-Time (R) (TEG) K-Time (K) (TEG) Maximum Amplitude (MA) (TEG) Angles (TEG) CT (ROTEM) CFT (ROTEM) MCF (ROTEM) Alpha angles (ROTEM) CK R-Time (R) (TEG 6s) CK K-Time (K) (TEG 6s) CK Max Amplitude (MA) (TEG 6s) CK Alpha (a) angles (TEG 6s) CRT/CRTH Max Amp (MA) (TEG 6s) CKH R-Time (R) (TEG 6s) CFF/CFH Max Amp (MA) (TEG 6s) CFF FLEV (TEG 6s)	Quantitative
<u>Andrology</u>		
Antisperm Antibody	Antisperm Antibody	Qualitative
Post-Vasectomy Sperm Analysis	Sperm Presence/Absence Sperm Count	Qualitative Quantitative
Sperm Count	Sperm Count	Quantitative

Scheme / Program	Analytes	Qualitative / Quantitative
Sperm Morphology	Sperm Morphology Sperm Classification	Quantitative Qualitative
Sperm Motility	Sperm Motility Sperm Progressive Motility	Quantitative Quantitative
Sperm Viability	Sperm Viability	Quantitative
<u>Urinalysis, PPM, and Other Tests</u>		
Urinalysis and HCG	Specific Gravity Bilirubin Blood or Hemoglobin Glucose Ketones Leukocyte Esterase Nitrite pH Protein Urobilinogen Reducing Substance Creatinine Bilirubin, confirmatory Protein, confirmatory HCG	Quant, Semi-Quant Semi-quantitative Semi-quantitative Semi-quantitative Semi-quantitative Semi-quantitative Qualitative Semi-quantitative Semi-quantitative Semi-quantitative Semi-quantitative Semi-quantitative Qualitative Semi-quantitative Qualitative
Urinalysis - Iris with HCG	Specific Gravity Bilirubin Blood or Hemoglobin Glucose Ketones Leukocyte Esterase Nitrite pH Protein Urobilinogen Reducing Substance Bilirubin, confirmatory Protein, confirmatory HCG	Quantitative Qual, Semi-quant Semi-quantitative Semi-quantitative Semi-quantitative Semi-quantitative Semi-quantitative Qualitative Semi-quantitative Semi-quantitative Semi-quantitative Semi-quantitative Qualitative Semi-quantitative Qualitative
Urine Crystals	Urine Crystal Identification	Qualitative
Urine Eosinophils	Urine Eosinophils	Qualitative
Urine HCG - 5 samples	HCG, urine	Qualitative
Urine Sediment	Urine Sediment	Qualitative

Scheme / Program	Analytes	Qualitative / Quantitative
Waived and Microscopy Package	Specific Gravity Bilirubin Blood or Hemoglobin Glucose Ketones Leukocyte Esterase Nitrite pH Protein Urobilinogen Reducing Substance Creatinine Bilirubin, confirmatory Protein, confirmatory HCG Vaginal Wet Preparation Vaginal Wet Preparation (KOH) Urine Sediment Fecal Occult Blood Glucose, whole blood Group A Strep Antigen	Quant, Semi-Quant Semi-quantitative Semi-quantitative Semi-quantitative Semi-quantitative Semi-quantitative Qualitative Semi-quantitative Semi-quantitative Semi-quantitative Semi-quantitative Semi-quantitative Qualitative Semi-quantitative Qualitative Qualitative Qualitative Qualitative Quantitative Qualitative
Automated Urine Microscopy - I	Crystals Non-Squamous Epithelial Cells RBC WBC	Semi-quant, Quant Semi-quant, Quant Semi-quant, Quant Semi-quant, Quant
Automated Urine Microscopy - S	Bacteria Casts Crystals Epithelial Cells RBC WBC	Quant, Semi-Quant Quant, Semi-Quant Qualitative Quant, Semi-Quant Quant, Semi-Quant Quant, Semi-Quant
Fecal Lactoferrin	Fecal Lactoferrin	Qualitative
Fecal Occult Blood	Fecal Occult Blood	Qualitative
Gastric Occult Blood	Gastric Occult Blood Gastric pH	Qualitative Semi-quantitative
Microscopy Package	Fecal Leukocytes Fern Test Nasal Smear Pinworm Preparation Sperm Vaginal Wet Preparation Vaginal Wet Preparation (KOH) Urine Sediment	Qualitative

Scheme / Program	Analytes	Qualitative / Quantitative
<u>Bacteriology</u>		
Comprehensive Bacteriology	Blood Culture CSF Culture Campylobacter Antigen Ear/Eye Culture Gram Stain Gram Stain Morphology Group A Strep Antigen GC/Group B Strep Culture Sputum Culture Stool Culture Throat Culture Urine Colony Count Urine Culture Urine Susceptibility Testing Urine Culture and Suscept. (educational) Wound Culture (aerobic & anaerobic)	Qualitative
Affirm VP	Candida sp. Gardnerella vaginalis Trichomonas vaginalis	Qualitative Qualitative Qualitative
Bacterial Vaginosis	Bacterial Vaginosis Screen (Sialidase)	Qualitative
Blood Culture	Blood Culture	Qualitative
Bordetella pertussis / paraptussis (molecular)	Bordetella pertussis Bordetella paraptussis	Qualitative Qualitative
C. difficile Toxin/Antigen	C. difficile Antigen C. difficile Toxin	Qualitative Qualitative
Campylobacter	Campylobacter sp. (culture) Campylobacter Antigen	Qualitative Qualitative
Chlamydia Antigen	Chlamydia Antigen	Qualitative
Chlamydia/GC (molecular)	Chlamydia trachomatis N. gonorrhoeae	Qualitative Qualitative
Gram Stain	Gram Stain Gram Stain Morphology	Qualitative Qualitative
Gram Stain - Direct Smears	Gram Stain / Morphology Leukocytes Sputum Quality Stain Quality	Qual, Semi-quant Qual, Semi-quant Qualitative Qualitative
Gram Stain - Vaginitis	Bacterial Vaginosis (Gram Stain) Nugent Score	Qualitative Semi-quantitative
Group A Strep Antigen	Rapid Group A Strep	Qualitative
Group B Strep (molecular)	Group B Strep Detection	Qualitative
GC/Group B Strep Culture	Group B Strep Culture N. gonorrhoeae Culture	Qualitative Qualitative
H. pylori Antigen, Stool	Helicobacter pylori Antigen	Qualitative
Legionella Antigen	Legionella Antigen	Qualitative
MRSA Culture	Methicillin-Resistant Staph aureus	Qualitative
MRSA/Staph aureus (molecular)	Methicillin-Resistant Staph aureus Staphylococcus aureus	Qualitative Qualitative

Scheme / Program	Analytes	Qualitative / Quantitative
Mycoplasma pneumoniae (molecular)	M. pneumoniae detection	Qualitative
Rapid Urease	Urease	Qualitative
Shiga Toxin	Shiga Toxin 1 Shiga Toxin 2 Shiga Toxin 1 and/or 2	Qualitative
Strep pneumoniae Antigen	S. pneumoniae Antigen	Qualitative
Strep Pharyngeal (molecular)	Group A Strep Group C/G Strep	Qualitative Qualitative
Throat Culture	Throat Culture	Qualitative
Urine Culture	Urine Colony Count Urine Culture / ID Susceptibility Testing	Semi-quantitative Qualitative Qualitative
VRE Culture	Vancomycin-Resistant Enterococci	Qualitative
VRE (molecular)	Vancomycin-Resistant Enterococci	Qualitative
<u>Mycobacteriology</u>		
Acid Fast Smears	Acid Fast Smears	Qualitative
M. tuberculosis (molecular)	M. tuberculosis detection Rifampin resistance screen	Qualitative Qualitative
Mycobacteriology Culture	Mycobacterial Identification Antimycobacterial Susceptibility	Qualitative Qualitative
<u>Mycology</u>		
Candida Identification	Candida Identification	Qualitative
Cryptococcal Antigen	Cryptococcal Antigen	Qualitative
Dermatophyte Culture	Dermatophyte Culture	Qualitative
India Ink	India Ink	Qualitative
KOH Slide	KOH Preparation (glass slide)	Qualitative
Mycology and Aerobic Actinomycetes	Mycology Culture	Qualitative
<u>Parasitology</u>		
Blood Parasites	Blood Parasite Identification	Qualitative
Giardia & Cryptosporidium Antigens	Giardia Antigen Cryptosporidium Antigen	Qualitative Qualitative
Parasitology	Blood Smear Stool Preparation Fecal Suspension (ID) Modified acid fast stain PVA Slide (ID)	Qualitative
Trichomonas	Trichomonas vaginalis (molecular/antigen)	Qualitative

Scheme / Program	Analytes	Qualitative / Quantitative
<u>Virology</u>		
HPV (molecular)	Human Papillomavirus HPV Genotypes	Qualitative Qualitative
HSV 1 & 2 (molecular)	Herpes Simplex Virus Type 1 Herpes Simplex Virus Type 2	Qualitative Qualitative
Rotavirus	Rotavirus Antigen	Qualitative
SARS-CoV-2 (molecular)	SARS-CoV-2	Qualitative
Virology Package	Influenza A Influenza B Influenza A or B RSV Antigen Adenovirus Antigen	Qualitative
<u>Molecular Multiplex Programs</u>		
Blood Pathogen Panel	Bacterial Identification Bacterial Resistance Genes Yeast Identification	Qualitative
GI Panel	Bacterial Identification Bacterial Toxin Identification Parasite Identification Virus Identification	Qualitative
Meningitis Panel	Bacterial Identification Virus Identification Yeast Identification	Qualitative
Respiratory Panel	Bacterial Identification Virus Identification	Qualitative Qualitative
<u>Immunology</u>		
ANA	Antinuclear Antibody Anti-ssDNA Anti-dsDNA Anti-RNP/Sm Anti-RNP Anti-Sm Anti-SSA/SSB Anti-SSA Anti-SSB	Qualitative
Anti-CCP	Anti-Cyclic Citrullinated Peptide	Qual, Semi-Quant, Quant
ASO	Anti-Streptolysin O	Qual, Quant, Titer
C-Reactive Protein	C-Reactive Protein	Qualitative, Quantitative
Diagnostic Allergy	IgE, Total IgE, allergen specific	Quantitative Qualitative, Quantitative

Scheme / Program	Analytes	Qualitative / Quantitative
High Sensitivity CRP	C-Reactive Protein (hs)	Quantitative
H. pylori Antibody	H. pylori Antibody	Qualitative
HSV 1 & 2 Antibody	HSV-1 Antibody HSV-2 Antibody	Qualitative
Immunoproteins / C3 & C4	Alpha-1-Antitrypsin Complement C3 Complement C4 Haptoglobin IgA IgG IgM	Quantitative
Infectious Mononucleosis	Infectious Mononucleosis	Qualitative
Lyme Disease	Lyme Disease Antibody (IgG) Lyme Disease Antibody (IgM) Lyme Disease Antibody (IgG/IgM)	Qualitative
Mycoplasma Antibody	Mycoplasma Antibody	Qualitative
Rapid HIV	Anti-HIV 1/2 (screen) HIV-1 p24 Antigen	Qualitative Qualitative
Rheumatoid Factor	Rheumatoid Factor	Qual, Quant, Titer
Rubella	Rubella	Qual, Quant
Syphilis Serology	Syphilis Screen (RPR / VDRL) Syphilis Confirmation (FTA) Syphilis (titer, serum) Syphilis (titer, CSF)	Qualitative Qualitative Titer Titer
Thyroid Antibodies	Thyroglobulin Antibody (Anti-TG) Thyroid Microsomal Antibody (Anti-TPO)	Quantitative
Viral Markers	Anti-HIV 1/2 (screen) Anti-HIV 1/2 (confirmation) Anti-HIV 1/2, HIV-1 p24 Antigen Anti-HIV 1 Anti-HIV 2 Anti-HAV (IgG) Anti-HAV (IgM) Anti-HAV (Total) Anti-HBc (IgM) Anti-HBc (Total) Anti-HBs Anti-HCV HBsAg (screen / confirmation)	Qualitative Qualitative Qualitative Qualitative Qualitative Qualitative Qualitative Qualitative Qualitative Qualitative Qualitative, Quantitative Qualitative Qualitative
Immunohematology		
ABO / Rh	ABO Grouping ABO Subgroup typing Rh Typing	Qualitative
Antibody Elution	Antibody Elution	Qualitative
Antibody Titer - A	Anti-A (IgM and IgG) titer	Semi-quant, Quant
Antibody Titer - D	Anti-D titer	Semi-quant, Quant

Scheme / Program	Analytes	Qualitative / Quantitative
Automated Blood Bank	ABO Grouping ABO Subgroup typing Antibody Screen Antibody Identification Compatibility Testing RBC Antigen Typing / Identification Rh Typing	Qualitative
Automated Blood Bank with Electronic Crossmatch	ABO Grouping ABO Subgroup typing Antibody Screen Antibody Identification Compatibility Testing RBC Antigen Typing / Identification Rh Typing ABO/Rh Type Confirmation - Unit/Recip. Electronic Crossmatch - Automated	Qualitative
Blood Bank	ABO Grouping ABO Subgroup typing Antibody Screen Antibody Identification Compatibility Testing RBC Antigen Typing / Identification Rh Typing	Qualitative
Blood Bank with Electronic Crossmatch	ABO Grouping ABO Subgroup typing Antibody Screen Antibody Identification Compatibility Testing RBC Antigen Typing / Identification Rh Typing ABO/Rh Type Confirmation - Unit/Recip. Electronic Crossmatch	Qualitative
DAT	Direct Antiglobulin Testing	Qualitative
DAT - Automated	Direct Antiglobulin Testing	Qualitative
Educational Blood Bank	ABO Grouping (educational) ABO Reverse Group (educational) ABO Subgroup typing (educational) Antibody Screen (educational) Antibody Identification (educational) Antibody Elution (educational) Compatibility Testing (educational) DAT (educational) RBC Antigen Identification (educational) Rh Typing (educational)	Qualitative
Fetal RBCs	Fetal Screen (Hemoglobin F qual / rosette) Hemoglobin F, quan (Kleihauer-Betke stain)	Qualitative Quantitative
Rh Slide Test	Rh Typing	Qualitative