

Most Frequently Performed Tests for Representative Laboratories: National Reference Laboratories, Hospital Network, Small Hospital and Physician Office Laboratories, and Health Maintenance Organization-Point of Care Testing

Analytes/tests are listed in descending order starting with the tests most frequently performed.

Highlighted boxes are currently non-regulated analytes or tests or tests waived by regulation

Unhighlighted boxes are: regulated analytes, microbiology tests or procedures, or panels that may include regulated and non-regulated analytes or tests.

March 2010

Reference Laboratory #1	Reference Laboratory #2	6 Hospital System	Small Hospital/POL	HMO POC Testing
Creatinine, Serum	Comprehensive Metabolic Panel	Basic Metabolic Panel	WBC Differential	Urinalysis
BUN	CBC with Diff	CBC w/ Differential	Hemoglobin	CBC
Potassium, Serum	Lipid panel	Magnesium Level	Hematocrit	Automated Diff
Glucose, Serum	TSH	PT	WBC Count	Rapid Strep
Sodium, Serum	Hemoglobin A1c	Phosphorus Level	Platelet Count	Creatine
Chloride, Serum	Culture, Urine, Routine	CBC, No Differential	Red Blood Cell Count	BUN
Calcium, Serum	Basic Metabolic Panel	Troponin-I	Streptococcus, group A	Potassium
AST (SGOT)	PT with INR	CK-MB	Fecal Occult Blood	Sodium
ALT (SGPT)	INR	PTT	Urine Dipstick, nonautomated	Chloride
CO2 Level	PSA, Total	Comprehensive Metabolic Panel	Glucose	CO2
Albumin, Serum	FT4	Creatine Kinase (CK)	Creatinine	Glucose Random
Protein, Total, Serum	Hepatic Function Panel	Liver Panel	PT	Urine Pregnancy
Alkaline Phosphatase	Lipid Panel	Urinalysis Complete	Potassium	Beta HCG Qualitative
Bilirubin, Total	Urinalysis, Complete	Smear Review	Urinary Sediment Microscopic	PTT
Hemoglobin	Vit D, 25-Hydroxy, lc/ms/ms	Culture, Bact, Blood, Peripheral	BUN	Flu A/B
Hematocrit	Culture	Lipid Panel	Sodium	D Dimer
WBC	CBC	Culture, Bact, Col Count, Urine	Infectious Mono Antibodies	Amylase
RBC	ESR	TSH	Chloride	Calcium
Platelets	HIV 1/2 EIA antibody screen	Lipase Level	ALT (SGPT)	ESR
Lymphs	Uric Acid	Urinalysis Microscopic	Cholesterol	Troponin T
Neutrophils	Microalbumin	Hemoglobin A1c	AST (SGOT)	PTT
Lymphs (Absolute)	HPV DNA (High Risk)	Lactic Acid, Any type	CO2 Level	CK-MB
Monocytes	TT4	Hematocrit	Trichomonas	Serum Ketone
Eos	Ferritin	Heparin Anti-Xa Assay	Fungi - Fungal elements only	Semen Color

Reference Laboratory #1	Reference Laboratory #2	6 Hospital System	Small Hospital/POL	HMO POC Testing
Basos	Total Iron Binding Capacity	Hemoglobin	HDL Cholesterol	Pro BNP
Neutrophils (Absolute)	Iron	Calcium Level Ionized	Calcium, Total	Bleeding Time
Eos (Absolute)	ALT	Blood Gas Arterial	Bilirubin, Total	Urine Microscopic
Monocytes(Absolute)	Creatine Kinase, Total	Beta hCG Qualitative Urine	Protein, Total	Rapid HIV Ab
Baso (Absolute)	C-Reactive Protein (CRP)	Amylase Level	Albumin	Neonatal Bilirubin
Globulin, Total	C trachomatis/N gonorrhoeae DNA	Manual Diff	Alkaline Phosphatase	
Cholesterol, Total	Vitamin B12	B-Type Natriuretic Peptide	Triglyceride	
Triglycerides	RPR	Crossmatch	Hgb A1C	
HDL Cholesterol	ANA	Lactate Dehydrogenase	Influenza A/B	
TSH	AST	Uric Acid	Bilirubin, Direct	
Hemoglobin A1c	Vitamin B12/Folate Panel	Chem 8	Prostatic Specific Ag (PSA)	
pH	T3 Total	Vancomycin Level	Uric Acid	
Glucose	LD	Blood Gas, All Types	Microalbumin	
Protein	Phosphate	Potassium Level	Helicobacter pylori Antibodies	
Occult Blood	Creatinine	Urinalysis Macroscopic	Free T4	
Ketones	PTT	Iron Binding Capacity Total	TSH	
Specific Gravity	Rheumatoid factor	Ferritin	Creatine Kinase (CK)	
Bilirubin	GGT	Free T4	Magnesium	
WBC Esterase	Lead, Blood	BUN	HCG, Serum, Qualitative	
Nitrite, Urine	Culture, Throat	Drug Abuse Screen (all types)	Phosphorus	
Urobilinogen, Semi-Qn	FT3	Creatinine	Amylase	
Urinalysis Microscopic	Chorionic Gonadotropin	RPR	Lactate Dehydrogenase (LDH)	
Vitamin D, 25-Hydroxy	Hepatitis B Surface Antigen	ESR	Gamma Glut. Transferase	
Urine Culture, Routine	Hepatitis C Antibody	Potassium Level, Whole Blood	LDL Cholesterol	
Antimicrobial Susceptibility	Glucose	Vitamin B12 Level	Iron	
PSA, Serum	T-3 Uptake	Rapid Influenza Flu A and B	Aerobic &/or Anaer. Organ.	
Bilirubin, Direct	Testosterone, Total	Glucose Random, Whole Blood	Respiratory syncytial virus	
PT	Cardio CRP	D-Dimer	Ferritin	
INR	FSH	Ethanol Level	B-Type Natriuretic Peptide	
Total T4	Obstetric Panel	Hepatitis B Surface Ab	Semen	
Uric Acid, Serum	Culture, Aerobic Bacteria	ALT (SGPT)	Influenza A	
Iron, Serum	BUN	Hepatitis B Surface Ag	Influenza B	
Free T4	Hepatitis Panel	Albumin Level	C-Reactive Protein (CRP)	

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Reference Laboratory #1	Reference Laboratory #2	6 Hospital System	Small Hospital/POL	HMO POC Testing
Phosphorus, Serum	PTH, intact & calcium	Tacrolimus Level	Total T4	
CBC, Platelet Ct, and Diff	Amylase	25-Hydroxyvitamin D2 and D3	Troponin-I (Cardiac)	
HIV 1/O/2 Abs, Qual	Cholesterol, Total	AST (SGOT)	CK-MB Fraction	
HBsAg Screen	Glucose, gestational screen (50g	Calcium Level Total	Rheumatoid Factor (RF)	
Vitamin B12	Lipase	Sodium Level	ESR (non-waived proced)	
LDH	Estradiol	Sodium Level, Whole Blood	Digoxin	
T3 Uptake	Streptococcus Group B Culture	Glucose	APTT	
GGT	Prolactin	PTH Intact	Aerobic Org., urine spec. only	
RPR	Streptococcus, Group A Culture	Culture, Bact, Blood, Catheter	Vitamin B12	
Lipids	Testosterone, Free and Total	Folate Level	TSH high sens.	
HPV, high-risk	LH	Culture, Wound/Abcess/Other	Hgb, single analyte inst.	
Free T4 Index	Progesterone	Creatinine Urine	Enterobius vermicularis	
Chlamydia trachomatis, NAA	CEA	C-Reactive Protein High Sensitivity	Cocaine Metabolites	
Neisseria gonorrhoeae, NAA	Culture, Genital	Reticulocyte Count Automated	Reticulocyte Count	
Ferritin, Serum	Direct LDL	HIV 1 and 2 + O	Cannabinoids (THC)	
Creatinine, Urine	Electrolyte Panel	Osmolality, Any type	Folate (Folic acid)	
Folate (Folic Acid), Serum	Folate, serum	Culture, Bact, Sputum	Lipase	
UIBC	Protein, Total	Bilirubin Direct	Opiates	
Iron Binding Capacity, Total	Protein Electrophoresis	GGT	Bleeding Time	
Iron Saturation	C trachomatis/N gonorr RNA	Sodium Level Urine	D-dimer	
C-Reactive Protein, Quant	HSV 1/2 IgG	C-Reactive Protein	Amphetamines	
Creatine Kinase (CK)	Hemoglobin	Renal Function Panel	Body Fld Micro. Elements	
Testosterone, Serum	Ova and Parasite	Fibrinogen	Benzodiazepines	
ANA Direct	Insulin	Triglycerides	Phencyclidine (PCP)	
Rubella Antibodies, IgG	Urinalysis, Macroscopic	Total T4	Barbiturates	
Cocaine (Metab.)	Thyroid panel with TSH	Hepatitis C Virus	Myoglobin	
Phencyclidine	CA 125	Prealbumin	Testosterone	
Microalbumin, Urine	Renal function panel w/egfr	Morphology Diff	Total T3	
Amphetamine Screen, Urine	Reticulocyte Count	Culture, MRSA Surveillance	PCO2	
Cannabinoid	Rubella Immune Status	Beta hCG Quantitative	PO2	
Chlamydia, Nuc. Acid Amp	Bact Vaginosis/Vaginitis Panel	TSH Cascade	Follicle Stimulating Hormone	
Gonococcus, Nuc. Acid Amp	Triglycerides	Prostate Specific Antigen	Phenytoin	
Lead, Blood (Pediatric)	Thyroid Peroxidase antibodies	Cortisol Level Random	pH	

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Reference Laboratory #1	Reference Laboratory #2	6 Hospital System	Small Hospital/POL	HMO POC Testing
Magnesium, Serum	BNP	Beta hCG Qualitative	Eosinophils	
RA Latex Turbid.	Lyme disease, EIA	Chlamydia DNA probe	Leukocytes, Fecal	
Hep C Virus Ab	Hepatitis B Surface Antibody	GC DNA Probe	Iron Binding Capacity, Total	
Beta Strep Gp A Culture	DHEA sulfate	Bilirubin Neonatal Panel	Carcinoembryonic Antigen	
FSH	Potassium	Phenytoin Level Free	Tricyclic Antidepressants	
Blood Grouping	Chorionic gonadotropin, QL	Bilirubin Total	Luteinizing Hormone (LH)	
Rh Factor (D)	Culture, Aerobic and Anaerobic	Phenytoin Level Total	ABO group	
Total T3	Cystic Fibrosis Screen	Chloride Level	Aer/Anaer Org, No Ureth/Endocer	
PTT	Varicella-Zoster Ab	Total T3	Methadone	
Antibody Screen	Calcium	Alkaline Phosphatase	Prolactin	
RPR	ABO Group	Culture, Bact, Surgical Wound	HCG, Beta, Serum, Quant	
Aerobic Bacterial Culture	Rh Type	Culture, MRSA	Treponema pallidum Abs	
Free T3	Alkaline Phosphatase	Digoxin Level	D(Rho) Type	
hCG, Beta Qnt, Serum	Hematocrit	Valproic Acid Level	Ethanol (Alcohol)	
Microalbumin, Urine	HIV 1 RNA, quant real time PCR	Rapid Strep Group A	Acetaminophen	
Hep A Ab, IgM	Homocysteine	Culture, Bact, Blood, Pediatric	Estradiol	
Hep B Surface Ab	Culture, Stool	Culture, Fungi, Other	Methamphetamines	
Hep B Core Ab, IgM	Helicobacter Pylori IgG	Haptoglobin	Donor/Recipient Compatibility	
PTH, Intact	Protein, Total, Urine	HLA Flow Antibody Assays	Free T3	
Strep Gp B Cult/DNA Probe	Alpha-Fetoprotein	Newborn Screen DC REF	Carbamazepine	
C-Reactive Protein, Cardiac	Fecal globin by immunochem	Protein Total	ABO confirm - Serum, Plasma	
HCV Ab	Clostridium Difficile Toxins	Ammonia Level	Valproic Acid	
Immunoglobulin A, Serum	Valproic Acid	Cholesterol Total	T3 Uptake	
Free Testosterone	CA 27. 29	CEA	Theophylline	
LH	Bilirubin, Direct	Cult, Bact, Ana, (no blood, uri, stool)	Calcium, Ionized	
Methadone Screen, Urine	Antibody screen	Electrolyte Panel	Blood Lead	
Estradiol	Immunofixation, serum	RSV Antigen	Blood Gases	
Benzodiazepines	Hemoglobinopathy evaluation	Free T3	Bilirubin, Neonatal	
Gestational Diabetes Screen	Albumin	ANA Screen with Reflex	Progesterone	
Creatinine, Urine	Cyc. Citrullinated Pept. CCP, IgG	Amphetamine Screen Urine	Total Solids (Specific Gravity)	
Propoxyphene	Clindamycin Resist. Test, (D Test)	Benzodiazepine Screen Urine	Parathyroid Hormone - Intact	
Amylase, Serum	H1N1 Influenza (2009) RT PCR	Cannabinoid Screen Urine	Salicylates	
Opiates	Methylmalonic Acid	Opiate Screen Urine	Vancomycin	

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Reference Laboratory #1	Reference Laboratory #2	6 Hospital System	Small Hospital/POL	HMO POC Testing
Barbiturate	Tacrolimus	Urine Cocaine Metabolite	Phenobarbital	
Lipase, Serum	Angiotension 1 Converting Enz.	Neonate CBC	Unexpected RBC antibody det.	
Protein, Total, Urine	Vitamin B6	DAT Cord AHG	Ammonia, Plasma/Serum	
Prolactin	AFP Maternal Quad	Protein Urine	Clostridium difficile	
Glucose, Plasma	CA 19-9	Ketone Qualitative	Allergen specific IgE	
Opiates	Homocysteine	Cytomegalovirus DNA, Real-t	HIV-1 and HIV-2 Antibodies	
LDL-P	Renin, Plasma	Culture, Bact, Throat	Cortisol	
LDL Particle Size	Cystic Fibrosis Screen	CO2 Level	Histopathology	
Large HDL-P	Cyc.Citrullinated Pept Ab IgG	Culture, Acid Fast Bacilli, Resp	Gentamicin	
Large VLDL-P	Vitamin B1	Barbiturate Screen Urine	UIBC no pretreat.	
LDL Particle Number	Inhibin	Urine PCP Screen	Glycated Hemoglobin, Total	
Metabolic Syndrome Markers	Gliadin	IgG	Homocysteine	
Lyme IgG/IgM Ab		Acetaminophen Level	T Uptake (TU)	
Small LDL-P		Hepatitis B Core Antibody	Cancer Antigen 125 (CA 125)	
Progesterone		Bilirubin Total & Direct	Anti-Nuclear Antibodies (ANA)	
H. pylori IgG, Abs		Hematology Pathology Review	HCG, Total, Serum, Quant	
Chlamydia DNA Probe		Culture, Acid Fast Bacilli, Non Resp	Yeast, Candida only	
N. gonorrh. DNA Probe		Protein Electrophoresis, All types	Rubella Antibodies	
pH, Urine		Microalbumin Level Urine	Gardnerella vaginalis	
Immunoglobulin G, Serum		Salicylate Level	Scabies	
Varicella Zoster IgG		CSF Cell Count w/ Diff	Total Solids (Protein)	
Genital Culture, Routine		Microalbumin/creat Ratio Ran	MDMA	
Antimicrobial Susceptibility		Culture, Bact, Sterile Body FLD	HIV-1 Antibody	
Thyroid Peroxidase Ab		Acute Hepatitis Panel	N. gonorr urogen/rectal only	
Cholesterol, Total		CA 125	Chlamydia	
LDL-C		Culture, Bact, Stool	Transferrin	
HDL-C		Rubella Antibody IgG	Anti-DNA Antibodies	
Triglycerides		Rubeola (Measles), All types	Oxycodone	
NMR Lipoprofile		Varicella Zoster Antibody	Propoxyphene	
Lipids		Iron Level	Rotavirus	
HSV 2 IgG, Type Spec		T Lymphocyte Subset	Aerobic/AnaerOrgan. - Urethral	
Albumin		EBV DNA Quant. Real-Time PCR	Insulin	
Alpha-1-Globulin		Glucose CSF	Fibrinogen	

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Reference Laboratory #1
Alpha-2-Globulin
Beta Globulin
Gamma Globulin
M-Spike
Globulin, Total
Ova + Parasite Exam
CEA
Immunoglobulin M, Serum
Nitrite, Urine
HIV-1 RNA by PCR
Chlamydia, DNA Probe
Reticulocyte Count
Upper Respiratory Culture
Antimicrobial Susceptibility
N gonorrhoeae, DNA Probe
TSH
t-Transglutaminase IgA
Antithyroglobulin Ab
Alpha-Fetoprotein
uE3
DIA
Calcitriol(1,25 di-OH Vit D)
Anti-DNA (DS) Ab Qn
Hgb A2
Hgb F
Hgb A
Hgb S
Hgb C
Hgb Variant
Campylobacter Culture
Staphylococcus

Reference Laboratory #2

6 Hospital System

Small Hospital/POL

HMO POC Testing

Protein CSF	Immunoglobulins IgG
Rheumatoid Factor Quantitative	PSA, Free
Culture, Bact, CSF	Hepatitis B Surface Antigen
IgM	Immunoglobulins IgA
Mixed Venous Panel	Lithium
PTH	Streptococcus, group B
IgA	Anti-SS-A/Ro
Lithium Level	Anti-SS-B/La
Antinuclear Antibody Screen	Immunoglobulins IgM
CA 19-9	Anti-Sm (Smith)
BK Virus DNA Quant. Urine by Rapid PCR	Gastric Occult Blood
Mumps Antibody IgG	Protein, Total (urine)
Cotinine Urine (NICP)	Aerobic/AnaerOrgan.,Endocer
C3 Complement	HCG, Urine
C4 Complement	Oxyhemoglobin/Oxygen Sat.
Culture, Bact, VRE	ProBNP
BK Virus DNA Quant by Rapid PCR	Carboxyhemoglobin
Urine Methadone Screen	Immunoglobulins IgE
CA 27-29	Anti-Thyroid Peroxidase Abs
Rapamycin QST	Cancer Ag 27.29 (CA 27.29)
Antibody Identification	Anti-Thyroglobulin Antibodies
Estradiol Level	Neisseria gonorrhoeae
Fecal WBCs	Prealbumin
Electrolyte Panel Urine	Methamphetamine/Amphet
Prolactin Level	Helicobacter pylori
Lyme Disease Antibody	Unexpected RBC Antibody ID
Alpha-Fetoprotein Tumor QST	Lactic Acid (Lactate)
Eosinophil Urine	Cancer Antigen 15-3 (CA 15-3)
pH Urine	Dermatopathology
Creatinine 24 Hour Urine	Complement C3
Cyclosporine Level	Complement C4
Dihydroxyvitamin D 1,25 QST	Morphine
Culture, Bact, Bronchial Wash	Anti-Streptolysin O (ASO)

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Reference Laboratory #1 Reference Laboratory #2

6 Hospital System	Small Hospital/POL	HMO POC Testing
CMV Antibody IgG	Mycoplasma Pneumoniae Abs	
Culture, Bact, Tissue/Biopsy	DHEA-SO4	
Rapid HIV 1/2	Intestinal parasites	
Testosterone Level Total	Dermatophytes	
Culture, Group B Strep, Vag/Rec	Thyroxine Uptake (T4U) (TU)	
FSH	HIV Antibodies	
Carbamazepine Level	1,25-Dihydroxyvit D(1,25-(OH)2D)	
Platelet Count	Methemoglobin	
Fecal Immuno Testing	Bladder Tumor Assoc Ag	
Culture, Bact, Blood, Renal2		
Immunoglobulin E (IgE)		