Regulated Analyte: 2009 Proficiency Testing Program Count and Frequency

Regulated Analyte List	Number of Programs that Offered Analyte	Number of Programs that Met CLIA PT Frequency
Routine Chemistry		
Blood Gases (pH, pO2, pCO2)	11	11
Chloride	11	11
Glucose	11	11
Potassium	11	11
Sodium	11	11
Alanine Aminotransferase (ALT or SGPT)	10	10
Albumin	10	10
Alkaline Phosphatase	10	10
Amylase	10	10
Aspartate Aminotransferase (AST or SGOT)	10	10
Bilirubin, Total	10	10
Calcium, total	10	10
Cholesterol, HDL	10	10
Cholesterol, total	10	10
Creatine Kinase (CK)	10	10
Creatine Kinase, Isoenzyme (CK-MB)	10	10
Creatinine	10	10
Iron	10	10
Lactate Dehydrogenase (LD) total	10	10
Magnesium	10	10
Protein, serum, total	10	10
Triglycerides	10	10
Urea Nitrogen (BUN)	10	10
Uric Acid	10	10
Glucose, whole blood	9	8
Bilirubin, Total Neonatal	7	7
Lactate Dehydrogenase (LD) isoenzymes, quantitative	3	3
Chemistry - Endocrinology		
Cortisol	10	10
hCG (qualitative, serum)	10	10
hCG (qualitative, urine)	10	10
hCG (quantitative, serum)	10	10
T3 Uptake	10	10
T3, total (Triiodothyronine)	10	10
T4, free (Thyroxine, free)	10	10
T4, total (Thyroxine)	10	10
Thyroid Stimulating Hormone (TSH)	10	10
Chemistry - Toxicology		
Carbamazepine and analogs	10	10
Digoxin	10	10
Lithium	10	10
Phenobarbital	10	10
Phenytoin (Dilantin)	10	10
Theophylline	10	10
Valproic Acid	10	10
Ethanol, serum (Blood Alcohol)	9	9
Gentamicin	9	9
N-acetylprocainamide (NAPA)	8	8
Procainamide	8	8
Quinidine	8	8

Note: Information obtained from 2009 PT Program catalogs.

Regulated Analyte: 2009 Proficiency Testing Program Count and Frequency

Regulated Analyte List	Number of Programs that Offered Analyte	Number of Programs that Met CLIA PT Frequency
Tobramycin	8	8
Primidone	7	7
Ethosuximide	6	6
Lead, blood	5	5
General Immunology		
Infectious Mononucleosis	10	10
Rheumatoid Factor	10	10
Anti-HBc, total (Hepatitis B Core Antibody)	9	9
Anti-HIV-1 (Anti-Human Immunodeficiency Virus)	9	9
Anti-nuclear Antibody (ANA)	9	9
Anti-streptolysin O (ASO)	9	9
Complement C3	9	9
Complement C4	9	9
HBsAg (Hepatitis B Surface Antigen)	9	9
Immunoglobulin A (IgA)	9	9
Immunoglobulin E (IgE)	9	9
Immunoglobulin G (IgG)	9	9
Immunoglobulin M (IgM)	9	9
Rubella	9	9
Alpha Fetoprotein (AFP)	8	8
HBeAg (Hepatitis Be Antigen)	7	7
Alpha-1 Antitrypsin	6	6
Anti-HBc, IgM	5	5
Hematology		
Hemoglobin	11	11
Activated Partial Thromboplastin Time (aPTT)	10	10
Cell Identification, color photographs	10	10
Erythrocyte (RBC) Count	10	10
Fibrinogen	10	10
Hematocrit	10	10
Leukocyte (WBC) Count	10	10
Platelet Count	10	10
Prothrombin Time (PT)	10	10
Hematology Automated Differentials - 5 part	9	9
WBC Differential	9	9
Hematology Automated Differentials - 3 part	8	8
Hematology Automated Differentials - 2 part	7	7
Immunohematology		
ABO Group	9	9
Antibody Identification	9	9
Compatibility Testing (Crossmatch)	9	9
D (Rho) Typing	9	9
Unexpected Antibody Detection	9	9
Syphilis Serology		
Syphilis Serology Qualitative	9	9
Syphilis Serology Quantitative	9	9

Note: Information obtained from 2009 PT Program catalogs.

Non-Regulated Analyte: 2009 Proficiency Testing Program Count and Frequency

Non-Regulated Analyte List	Number of Programs that Offered Analyte	Number of Programs that Met CLIA PT Frequency
Routine Chemistry		
Gamma glutamyl transferase (GGT)	10	6
Glucose, urine, qualitative: clinical microscopy	10	1
Hemoglobin, urine: clinical microscopy	10	1
pH, urine, qualitative: clinical microscopy	10	1
Phosphorus (inorganic)	10	7
Protein, urine, qualitative: clinical microscopy	10	1
Specific gravity, urine	10	1
Calcium, ionized	9	7
Cholesterol, LDL	9	7
Ferritin	9	2
Glycohemoglobin (HbA1c)	9	1
Ketones, urine: clinical microscopy	9	1
Nitrite, urine, qualitative: clinical microscopy	9	1
Occult Blood, fecal	9	1
Sediment, urine, Color Photographs: clinical microscopy	9	2
Troponin I	9	6
Troponin T	9	6
Bilirubin, urine, qualitative	8	1
B-type natriuretic peptides (BNP)	8	3
Carbon dioxide (bicarbonate)	8	5
Homocysteine	8	1
Leukocyte esterase, urine, qualitative: clinical microscopy	8	0
Lipase	8	6
Myoglobin	8	5
Urobilinogen, urine, qualitative: clinical microscopy	8	1
Bilirubin, direct serum	7	5
Creatinine, urine, qualitative, dipstick	7	0
Total iron binding capacity (TIBC) measured and % saturation	7	5
Albumin (microalbumin), urine, quantitative	6	0
Ammonia	6	0
Apolipoprotein A1	6	1
Apolipoprotein B	6	1
Creatinine, urine, quantitative	6	0
Fructosamine	6	0
Albumin (microalbumin), urine, qualitative	5	0
Albumin (microalbumin), urine, semi-quantitative	5	0
Amylase, urine	5	0
Beta-2-microglobulin, serum	5	0
Bilirubin, direct serum, neonatal	5	2
Calcium, urine	5	0
Carboxyhemoglobin	5	4
Chloride, urine	5	0
Lactate	5	4
Lactic Acid	5	4
Lipoprotein (a)	5	2
Methemoglobin	5	4
NT-pro B-type natriurectic peptides (NT-pro BNP)	5	0
Osmolality	5	4
Osmolality, urine: clinical microscopy	5	0
Oxyhemoglobin	5	4

Note: Information obtained from 2009 PT Program catalogs

Non-Regulated Analyte: 2009 Proficiency Testing Program Count and Frequency

Non-Regulated Analyte List	Number of Programs that Offered Analyte	Number of Programs that Met CLIA PT Frequency
Phosphorus, urine	5	0
Potassium, urine	5	0
Sodium, urine	5	0
Transferrin	5	1
Urea, urine	5	0
Uric acid, urine	5	0
Albumin, body fluid	4	0
Amylase, body fluid	4	0
Bilirubin, urine, dipstick	4	0
Cholesterol, body fluid	4	0
Creatinine, body fluid	4	0
Glucose, body fluid	4	0
Glucose, CSF	4	0
Glucose, urine, quantitative	4	0
Lactate dehydrogenase (LD), body fluid	4	0
Lactate dehydrogenase (LD), CSF	4	0
Magnesium, urine	4	0
Occult Blood , gastric	4	0
pH, body fluid	4	0
Prealbumin	4	0
Protein, body fluid, total	4	0
Protein, CSF, total	4	0
Triglycerides, body fluid	4	0
Unsaturated iron binding capacity (UIBC), measured	4	2
Albumin, CSF, quantitative	3	0
Albumin/creatinine ratio, urine, qualitative	3	0
Albumin/creatinine ratio, urine, quantitative	3	0
Chloride, CSF	3	0
Chloride, sweat anlaysis	3	0
Conductivity, sweat analysis	3	0
Crystals, urine, semiquantitative	3	0
Hemoglobin (Glycated, Total A1)	3	0
LD1/LD2 ratio, calculation and interpretation	3	3
Osmolality, sweat analysis	3	0
pH, gastric material	3	0
Reducing substances, urine, qualitative: clinical microscopy	3	0
Sodium, CSF	3	0
Sodium, sweat analysis	3	0
3-Methoxytyramines, urine	2	0
5-Hydroxyindoleacetic acid, urine	2	0
Amylase, pancreatic	2	1
Beta-hydroxybutyrate	2	0
Bilirubin, urine, quantitative	2	0
Cadmium, urine	2	1
Cadmium, whole blood	2	1
Copper, serum	2	1
Coproporphyrins, urine	2	0
Crystals, body fluid	2	0
Dopamine, urine	2	0
Epinephrine, urine	2	0
Hemoglobin (Glycated, Total)	2	0

Note: Information obtained from 2009 PT Program catalogs

Non-Regulated Analyte: 2009 Proficiency Testing Program Count and Frequency

Non-Regulated Analyte List	Number of Programs that Offered Analyte	Number of Programs that Met CLIA PT Frequency
Hemoglobin, reduced	2	1
Homovanillic acid, urine	2	0
Ketones, serum	2	0
Lactate, CSF	2	0
Lactic Acid, CSF	2	0
Magnesium, ionized	2	1
M-Protein (Paraprotein) identification	2	0
Norepinephrine, urine	2	0
Normetanephrine, urine	2	0
Potassium, CSF	2	0
Protein Electrophoresis	2	0
Protein, urine, quantitative (24 Hour)	2	1
Selenium, serum	2	1
Uroporphyrin, urine	2	0
Vanillylmandelic acid (VMA), urine	2	0
Zinc, serum	2	1
Acid phosphatase	1	0
Aldolase	1	0
Aluminum, serum	1	0
Angiotensin Converting Enzyme (ACE)	1	0
Apolipoprotein C	1	0
Apolipoprotein E	1	0
Arsenic, urine and whole blood	1	1
Bacteria, semi-quantitative, urine	1	0
Bence Jones protein, urine	1	0
Beta-2-microglobulin, urine	1	0
Bilirubin (ΔOD450), amniotic fluid	1	0
Bilirubin, other fractions	1	1
Body Fluid Color Photographs: clinical microscopy	1	0
Casts, semi-quantitative, urine	1	0
Catecholamines, free, urine	1	0
Cholinesterase	1	1
Chromium, serum	1	0
Cystatin C	1	0
Electrophoresis (albumin and gamma globulin), CSF	1	0
Epithelial cells, semi-quantitative, urine	1	0
Estimated Glomerular Filtration Rate (EGFR)	1	1
Fecal Fat	1	0
Fluorescent polarization assay, amniotic fluid	1	0
Glucose-6-phosphate Dehydrogenase (G6PDS)	1	0
Hemoglobin, plasma	1	0
Lactate	1	0
Lactate Dehydrogenase (LD) isoenzymes, electrophoresis	1	1
Lactate, body fluid	1	0
Lactoferrin, stool	1	0
Lactoferrin, Tear	1	0
Lead, urine	1	1
Lecithin:sphingomyelin (LS) ratio, amniotic fluid	1	0
Lipoprotein Electrophoresis	1	0
Lipoprotein-associated phospholipase (Lp-PLA2), quantitative	1	0
Manganese, serum	1	0

Note: Information obtained from 2009 PT Program catalogs

Non-Regulated Analyte: 2009 Proficiency Testing Program Count and Frequency

Non-Regulated Analyte List	Number of Programs that Offered Analyte	Number of Programs that Met CLIA PT Frequency
Mycophenolic acid	1	0
Myoglobin, urine	1	0
Nitrogen, urine, total	1	0
Oligoclonal bands, CSF	1	0
Phosphatidylglycerol (PG), amniotic fluid	1	0
Pseudocholinesterase	1	0
RBC, quantitative, urine	1	0
Sulfosalisylic acid (SSA), urine dipstick confirmation	1	0
tCO2	1	1
Viscosity, serum	1	0
WBC, quantitative, urine	1	0
Chemistry - Endocrinology		
CEA (Carcinoembryonic Antigen)	10	2
Estradiol	10	2
Folate, serum	10	2
Follicle-stimulating hormone (FSH)	10	2
Luteinizing hormone (LH)	10	2
Progesterone	10	2
Prolactin	10	2
Prostate-specific antigen (PSA), total	10	3
Vitamin B12	10	2
T3, Free	9	6
Testosterone	9	2
CA 125	8	2
CA 15-3	7	2
CA 19-9	7	2
DHEA sulfate	7	1
Insulin	7	2
CA 27.29	6	1
Parathyroid Hormone (PTH)	6	1
C-peptide	5	0
Fetal fibronectin	5	0
Prostatic acid phosphatase (PAP)	5	1
Prostate-specific antigen (PSA), free	5	1
Estriol, total	4	1
Prostate-specific antigen, complex (cPSA)	4	1
Estriol, unconjugated (uE3)	3	2
Folate, whole blood	3	0
Thyroglobulin	3	0
17-Hydroxycorticosteroids, urine	2	0
17-Ketosteroids, urine	2	0
Aldosterone, urine	2	0
Alpha fetoprotein, amniotic fluid	2	1
Dimetric Inhibin A (DIA)	2	2
PSA ratio	2	1
11-Deoxycortisol	1	0
17-Hydroxyprogesterone	1	0
25-OH Vitamin D	1	0
Adrenocorticotropic hormone (ACTH)	1	0
Aldosterone, serum	1	0
Androstenedione	1	0

Note: Information obtained from 2009 PT Program catalogs

Non-Regulated Analyte: 2009 Proficiency Testing Program Count and Frequency

Non-Regulated Analyte List	Number of Programs that Offered Analyte	Number of Programs that Met CLIA PT Frequency
CA 72-4	1	0
Calcitonin	1	0
C-Telopeptide, urine	1	0
Deoxypyridinoline, urine	1	0
Erythropoietin	1	0
Gastrin	1	0
Growth Hormone	1	0
IGF-1 (Somatomedin C)	1	0
IL-2, Interleukin-2 receptor (Soluble IL-2)	1	0
N-Telopeptide (NTX), urine	1	0
Osteocalcin	1	0
Pregnancy Accosiated Plasma Protein A (PAPP-A)	1	1
Pyridinoline, urine	1	0
Renin	1	0
Sex hormone-binding globulin (SHBG)	1	0
Testosterone, bioavailable	1	0
Testosterone, free	1	0
Chemistry - Toxicology		
Amphetamine group, urine, drug screen	10	0
Barbiturate group, urine, drug screen	10	0
Benzodiazepine group, urine, drug screen	10	0
Ethanol, urine	10	0
Methadone and analogs, urine	10	0
Phencyclidine (PCP), urine	10	0
Propoxyphene, urine	10	0
Cannabinoids, urine, drug screen	9	0
Methaqualone, urine	9	0
Opiate group, urine	9	0
Salicylate, serum	9	8
Tricyclic group, urine	9	0
Cocaine, urine	8	0
Vancomycin	8	8
Methylenedioxymethamphetimine (MDMA, Ecstasy), urine	7	0
Acetaminophen, serum, quantitative	6	5
Acetaminophen, urine, drug screen	6	0
Amikacin	6	5
Lysergic acid diethylamide (LSD), urine	6	0
Methamphetamines, urine	6	0
Oxycodone, urine	6	0
Buprenorphine, urine, drug screen	4	0
Methadone metabolite (EDDP), urine, drug screen	4	0
Morphine, urine	4	0
Acetaminophen, serum, qualitative	3	2
Acetone, serum, qualitative and quantitative	3	2
Acetone, whole blood	3	3
Fentanyl and analogs, urine	3	0
Lidocaine	3	2
Amitriptyline, serum, urine, and whole blood	2	0
Amphetamine group, serum	2	0
Barbiturate group, serum, qualitative	2	0
Benzodiazepine group, serum, qualitative	2	0

Note: Information obtained from 2009 PT Program catalogs

Non-Regulated Analyte: 2009 Proficiency Testing Program Count and Frequency

Non-Regulated Analyte List	Number of Programs that Offered Analyte	Number of Programs that Met CLIA PT Frequency
Benzoylecgonine/cocaine metabolites, urine, drug screen	2	0
Cannabinoids, serum	2	0
Cocaine, serum	2	0
Codeine and metabolite, urine, drug screen	2	0
Codeine, serum	2	0
Delta-9-THC-COOH, urine	2	0
Desipramine, serum, urine, and whole blood	2	0
Fentanyl and analogs, serum	2	0
Imipramine, serum and whole blood	2	0
Lysergic acid diethylamide (LSD), serum	2	0
Metanephrine, urine	2	0
Methadone and analogs, serum	2	0
Methadone metabolite (EDDP), serum and whole blood	2	0
Morphine, serum and whole blood	2	0
Notriptyline, serum, urine, and whole blood	2	0
Phencyclidine (PCP), serum	2	0
Phenothiazine, urine and serum	2	0
Phenytoin, free, serum	2	1
Propoxyphene, serum	2	0
Quinine, urine and serum	2	0
Tricyclic group, total, serum	2	0
6-monoacetylmorphine, serum, urine, and whole blood	1	0
7-Aminoflunitrazepam, whole blood	1	0
Acetaminophen, whole blood	1	0
Acetone, urine	1	0
Alpha-hydroxyalprazolam, urine and serum	1	0
Alprazolam and analogs, serum, urine, and whole blood	1	0
Amines, urine, drug screen	1	0
Amobarbital, urine and serum	1	0
Amoxapine and analogs, urine and serum	1	0
Amphetamine, serum, urine, and whole blood	1	0
Atenolol, urine and serum	1	0
Atropine, urine and serum	1	0
Benzoylecgonine, serum, urine, and whole blood	1	0
Brompheniramine, urine and serum	1	0
Buprenorphine, serum	1	0
Bupropion, urine and serum	1	0
Butalbital, urine and whole blood	1	0
Caffiene	1	0
Carbamazepine epoxide	1	0
Carbamazepine, free, serum	1	0
Carbamezepine and analogs, serum	1	0
Carisoprodol, serum, urine, and whole blood	1	0
Chlordiazepoxide and analogs, urine	1	0
Chlorpheniramine, urine and serum	1	0
Chlorpromazine, urine	1	0
Cimetidien, urine and serum	1	0
Citalopram, urine and serum	1	0
Clomipramine and analogs, urine and serum	1	0
Clonazepam and analogs, urine and serum	1	0
Clozapine, urine	1	0

Note: Information obtained from 2009 PT Program catalogs

Non-Regulated Analyte: 2009 Proficiency Testing Program Count and Frequency

Non-Regulated Analyte List	Number of Programs that Offered Analyte	Number of Programs that Met CLIA PT Frequency
Cocaethylene, serum, urine, and whole blood	1	0
Cocaine, whole blood	1	0
Codeine, whole blood	1	0
Cotinine, urine and serum	1	0
Cyclobenzaprine, serum, urine, and whole blood	1	0
Cyclosporine	1	0
Delta-9-THC, serum, urine, and whole blood	1	0
Delta-9-THC-COOH, serum	1	0
Delta-9-THC-COOH, whole blood	1	0
Dextromethorphan, urine and serum	1	0
Diazepam, serum, urine, and whole blood	1	0
Digoxin, free, serum	1	0
Dihydrocodeine, urine and serum	1	0
Diltiazen, urine and serum	1	0
Diphenhydramine, serum, urine, and whole blood	1	0
Disopyramide	1	0
Doxepin and analogs, serum, urine, and whole blood	1	0
Doxylamine, urine	1	0
Ecgonine methyl ester, serum, urine, and whole blood	1	0
Ephedrine, serum, urine, and whole blood	1	0
Erythrocyte protoporphyrin (EP)	1	1
Ethanol, whole blood	1	0
Ethylene glycol, urine and serum	1	0
Famotidine, urine and serum	1	0
Fentanyl, whole blood	1	0
Flecainide	1	0
Flunitrazepam and analogs, urine and serum	1	0
Fluoxetine and analogs, serum, urine, and whole blood	1	0
Flurazepam and analogs, serum, urine, and whole blood	1	0
Gamma hydroxybutyrate (GHB), urine and whole blood	1	0
Glutethimide, serum and urine	1	0
Haloperidol, urine	1	0
Hydrocodone, serum, urine, and whole blood	1	0
Hydromorphone, serum, urine, and whole blood	1	0
Hydroxyzine, urine and serum	1	0
Ibuprofen, urine and serum	1	0
Imipramine, urine	1	0
Isopropanol, serum and urine	1	0
Isopropanol, whole blood	1	1
Ketamine and analogs, serum, urine, and whole blood	1	0
Lamotigine, urine and serum	1	0
Lead, urine	1	1
Levorphanol, urine	1	0
Lorazepam, serum, urine, and whole blood	1	0
Loxapine, urine and serum	1	0
Lysergic acid diethylamide (LSD), whole blood	1	0
Maprotiline, urine and serum	1	0
Meperidine and analogs, serum, urine, and whole blood	1	0
Meprobamate, serum, urine, and whole blood	1	0
Mercury, urine and whole blood	1	1
Mesoridazine, urine and serum	1	0

Note: Information obtained from 2009 PT Program catalogs

Non-Regulated Analyte: 2009 Proficiency Testing Program Count and Frequency

Non-Regulated Analyte List	Number of Programs that Offered Analyte	Number of Programs that Met CLIA PT Frequency
Methamphetamines, serum	1	0
Methamphetamines, whole blood	1	0
Methanol, serum and urine	1	0
Methanol, whole blood	1	1
Methaqualone, serum	1	0
Methotrexate	1	0
Methylenedioxyamphetamine (MDA), serum, urine, and whole blood	1	0
Methylenedioxymethamphetimine (MDMA, Ecstasy), serum and whole blood	1	0
Mirtazapine, urine and serum	1	0
Naproxen, urine and serum	1	0
Nefazodone, urine and serum	1	0
Nicotine and analogs, urine and serum	1	0
Norchlordiazepoxide, urine and serum	1	0
Norcodeine, urine and serum	1	0
Norcyclobenzaprine, urine	1	0
Nordiazepam, serum, urine, and whole blood	1	0
Nordoxepin, serum, urine, and whole blood	1	0
Norfentanyl, urine and serum	1	0
Norfluoxetine, serum, urine, and whole blood	1	0
Normeperidine, urine and serum	1	0
Norpropoxyphene, serum, urine, and whole blood	1	0
Norsertraline, urine and serum	1	0
Norverapamil, urine and serum	1	0
Olanzapine, urine and serum	1	0
Opiate group, serum	1	0
Oxaprozin, urine and serum	1	0
Oxazepam, serum, urine, and whole blood	1	0
Oxycodone, serum and whole blood	1	0
Oxymorphone, serum, urine, and whole blood	1	0
Paroxetine, whole blood	1	0
Pentazocine, urine and serum	1	0
Pentobarbital, urine and serum	1	0
Phencyclidine (PCP), whole blood	1	0
Phenethylamine, urine	1	0
Pheniramines, urine and serum	1	0
Phentermine, serum, urine, and whole blood	1	0
Phenylalanine	1	1
Phenylpropanolamine, urine and serum	1	0
Phenytoin, serum, urine, and whole blood	1	0
Procainamide, urine and serum	1	0
Propoxyphene, whole blood	1	0
Pseudoephedrine, serum, urine, and whole blood	1	0
Pyrilamine, urine and serum	1	0
Quetiapine, urine and serum	1	0
Ranitidine, urine and serum	1	0
Salicylate, urine	1	0
Secobarbital, serum, urine, and whole blood	1	0
Sertraline and analogs, serum, urine, and whole blood	1	0
Sirolimus (Rapamycin)	1	0
Strychnine, urine and serum	1	0

Note: Information obtained from 2009 PT Program catalogs

Non-Regulated Analyte: 2009 Proficiency Testing Program Count and Frequency

Non-Regulated Analyte List	Number of Programs that Offered Analyte	Number of Programs that Met CLIA PT Frequency
Tacrolimus	1	0
Temazepam, serum, urine, and whole blood	1	0
Theophylline, urine	1	0
Thioridazine, urine and serum	1	0
Tramadol and analogs, serum, urine, and whole blood	1	0
Trazodone, serum, urine, and whole blood	1	0
Trichloroethanol, urine and serum	1	0
Trimipramine, urine and serum	1	0
Tripelennamine, urine and serum	1	0
Valproic acid, free, serum	1	0
Verapamil and analogs, urine and serum	1	0
Zolpidem, whole blood	1	0
General Immunology		
C-reactive protein (CRP) Qualitative and Quantitative	9	1
Helicobacter pylori – total antibodies	9	1
Anti-HCV	8	7
Borrelia burgdorferi, tick transmitted disease antibodies	8	0
C-reactive protein (CRP), high sensitivity	7	2
Anti-HAV, total	6	6
Anti-HBs	6	6
Anti-RNP antibody	5	4
Anti-Sm antibody	5	4
Anti-SSA antibody	5	4
Anti-SSB antibody	5	4
Anti-HAV, IgM	4	4
Anti-HIV-2	4	4
Antisperm antibody IgG, semen analysis	4	0
Mycoplasma pneumoniae – total antibodies	4	1
Anti-CMV	3	1
Anti-DNA (ds, ss)	3	3
IgE, Specific allergens	3	1
IgG, quantitative CSF	3	0
Lymphocyte immunophenotyping, Flow Cytometry	3	1
Toxoplasma gondii – total antibodies	3	0
Anti-DNA antibody (ds)	2	1
Anti-HBe	2	2
Anti-HTLV	2	1
Antithyroglobulin antibody	2	0
Antithyroid microsomal Antibody	2	0
CD 19 (B Cells), Flow Cytometry	2	0
CD 56 / CD 16 & 56 (NK Cells), Flow Cytometry	2	0
CD3 (T Cells), Flow Cytometry	2	0
CD4 (T Helper), Flow Cytometry	2	0
CD45 (Leukocytes), Flow Cytometry	2	0
CD8 (T Cytotoxic), Flow Cytometry	2	0
Cytomegalovirus (CMV) – total antibodies	2	0
EBNA: total antibodies (Epstein Barr Virus Nulear Antigen)	2	0
Haptoglobin	2	2
Herpes simplex virus (HSV) – IgG antibody	2	0
Mycoplasma pneumoniae – IgG	2	0
Rubeola virus – IgG antibody	2	0

Note: Information obtained from 2009 PT Program catalogs

Non-Regulated Analyte: 2009 Proficiency Testing Program Count and Frequency

Non-Regulated Analyte List	Number of Programs that Offered Analyte	Number of Programs that Met CLIA PT Frequency
Varicella-zoster virus – total antibodies	2	0
Anaplasma phagocytophilum,tick transmitted disease antibodies	1	0
Anticardiolipin antibody	1	0
Anti-Cyclic Citrullinated Peptide Antibody (Anti-CCP)	1	0
Anti-deamidated gliadin peptide (IgA), celiac serology	1	0
Anti-deamidated gliadin peptide (IgG), celiac serology	1	0
Anti-deamidated gliadin peptide screen (IgA, IgG), celiac serology	1	0
Anti-ENA (extractable nuclear antigens)	1	1
Anti-endomysial (IgA)	1	0
Anti-endomysial (IgG)	1	0
Anti-gliadin (IgA)	1	0
Anti-gliadin (IgG)	1	0
Anti-glomerular basement membrane antibody	1	0
Anti-HTLV-I/II	1	0
Anti-Jo-1 (anti-histidyl t-RNA synthetase), Rheumatic disease	1	0
Anti-LKM	1	0
Antimitochondrial antibody	1	0
Antimitochondrial M2 antibody (AMA-M2)	1	0
Antineutrophil cytoplasmic antibody (ANCA, anti-MPO, anti-PR3)	1	0
Anti-nuclear antibody (ANA) Pattern I.D.	1	1
Anti-parietal cell antibody (APC)	1	0
Anti-Saccharomyces cerevisiae antibody	1	0
Anti-Scl-70 (anti-DNA topoisomerase), Rheumatic disease	1	0
Anti-Sm/RNP antibody	1	0
Anti-smooth muscle antibody	1	0
Anti-SSA/SSB antibody	1	0
Antithyroid peroxidase antibody	1	0
Anti-tissue transglutaminase (IgA), celiac serology	1	0
Anti-tissue transglutaminase (IgG), celiac serology	1	0
Anti-tissue-transglutaminase (IgA, IgG) screen, celiac serology	1	0
Anti-Trypanosoma cruzi (Chagas Disease)	1	0
Babesia microti, tick transmitted disease antibodies	1	0
Beta-2-glycoprotein I	1	0
CD34+, Flow Cytometry	1	0
Ceruloplasmin	1	0
Cytomegalovirus (CMV) – IgG	1	0
Cytomegalovirus (CMV) – IgM	1	0
DNA content and cell cycle anlaysis, Flow Cytometry	1	0
Flow cytometry, interpretation only	1	0
Helicobacter pylori – IgA	1	0
Helicobacter pylori – IgG	1	0
IFN-γ	1	0
IgE Multi-allergen screen	1	1
IgE, Tear	1	1
IgG subclass proteins	1	0
IL-10, IL-1β, IL-6, and IL-8	1	0
Immunoglobulin D (IgD)	1	0
Kappa/Lambda ratio	1	1
Leukemia/lymphoma Flow Cytometry—Immunophenotyping	1	0
Lymphoid Function-PHA mitogation-simulated proliferation	1	0
Malignant leukocyte Immunotyping	1	0

Note: Information obtained from 2009 PT Program catalogs

Non-Regulated Analyte: 2009 Proficiency Testing Program Count and Frequency

Non-Regulated Analyte List	Number of Programs that Offered Analyte	Number of Programs that Met CLIA PT Frequency
Mumps – IgG	1	0
Mycoplasma pneumoniae – IgM	1	0
Non-Lymphoid Immunophenotyping-variable CD34 stem cell quantification	1	0
PNH RBC analysis (CD55/CD59), Flow Cytometry	1	0
PNH WBC analysis (CD55/CD59, FLAER), Flow Cytometry	1	0
T-Lymphoid Immunophenotyping	1	1
TNF-α	1	1
Total Hemolytic Complement	1	0
Toxoplasma gondii – IgG and IgM	1	0
Varicella-zoster virus – IgG	1	0
Hematology		
Erythrocyte Sedimentation Rate (ESR)	9	1
Reticulocyte count	9	2
International Normalized Ratio (INR)	8	8
Microscopy, KOH Preparations	8	0
Microscopy, Leukocytes, stool	8	0
Microscopy, Nasal Smears	8	0
Microscopy, Pinworm Prep	8	0
Microscopy, Vaginal Wet Preparations	8	0
D-dimer, qualitative	7	1
Microscopy, Fern Test	7	0
Sperm count	7	1
D-dimer, quantitative	6	1
Activated Clotting Time Series	5	0
Red blood cell count (includes body fluids)	5	1
Sickle cell screening	5	0
Sperm morphology	5	0
Sperm viability	5	0
White blood cell count, includes body fluids	5	1
pH interpretation, Nitrazine Amniotic Fluid Leakage	4	0
Placental Alpha Microglobulin-1 (PAMG-1), Fetal Membrane Rupture	4	0
Sperm motility	4	0
Fetal RBCs, quantitative (Kleihauer-Batke, Flow Cytometry)	3	0
Mean Corpuscular Volume (MCV)	3	3
Fetal hemoglobin (APT Test)	2	0
Fetal RBCs, qualitative (Rosette fetal screen)	2	0
Hemoglobin F quantitation	2	0
Nucleated red blood cell count (nRBC)	2	2
Red cell distribution width (RDW)	2	2
Thromboelastogram	2	0
Activated Protein C Resistance	1	0
Alpha-2-Antiplasmin	1	0
Anti-A Titer, plasma and Red Blood Cells	1	0
Anti-beta-2–Glycoprotein	1	0
Anti-D Titer plasma and Red Blood Cells	1	0
Antiphospholipid antibody	1	0
Antithrombin (Activity/Antigen)	1	0
Antithrombin III	1	0
Collagen Binding	1	0
Cytopreparation differential	1	0
D-dimer, semi-quantitative	1	0

Note: Information obtained from 2009 PT Program catalogs

Non-Regulated Analyte: 2009 Proficiency Testing Program Count and Frequency

Non-Regulated Analyte List	Number of Programs that Offered Analyte	Number of Programs that Met CLIA PT Frequency
Euglobulin Test	1	0
Factor VIII Inhibitor and Activity	1	0
Factors II, V, VII, VIII, IX, X, XI, XII, and XIII	1	0
Fibrin Monomer	1	0
Fibrinogen antigen	1	0
Fibrinogen Degradation Products, plasma and serum	1	0
Glycoprotein I Binding	1	0
Hemoglobin A2 quantitation	1	0
Heparin Activity, Unfractionated and Low Molecular Weight	1	0
Heparin induced thrombocytopenia	1	0
High Molecular Weight Kininogen	1	0
Immature granulocyte parameter	1	1
Kaolin Activated Clotting Time	1	0
Kaolin-Activated APTT	1	0
Lupus Anticoagulant, screen and confirmation	1	0
Mean corpuscular hemoglobin (MCH)	1	1
Mean corpuscular hemoglobin concentration (MCHC)	1	1
Microscopy, Eosinophils, urine, Wright's stain	1	0
Microscopy, Hemosiderin, urine, Prussian blue	1	0
Microscopy, Sperm	1	0
Mixing Studies, APTT and PT	1	0
PFA-100	1	0
Plasminogen Activator Inhibitor	1	0
Plasminogen Antigen	1	0
Platelet Aggregation	1	0
Platelet Antibody detection	1	0
Plateletworks	1	0
Prekallikrein	1	0
Protein C (Activity/Antigen)	1	0
Protein S (Activity)	1	0
Protein S (Free and Total Antigen)	1	0
Prothrombin Fragment 1.2	1	0
Prothrombin Time, Dilute	1	0
Red cell distribution width (RDW-CV and RDW-SD)	1	1
Reptilase Time	1	0
Ristocetin Cofactor	1	0
Russell's Viper Venom Time, dilute	1	0
Thrombin – Antithrombin	1	0
Thrombin Time	1	0
Tissue Plasminogen Activator	1	0
von Willebrand Factor/Multimer analysis, activity and antigen	1	0
Histocompatibility		
Direct antibody testing (DAT) Coombs, direct	6	2
Antibody elution, Transfusion Medicine	2	0
Fetal F cell determination	2	0
Red blood cell antigen detection	2	1
Cord Blood Processing	1	0
Embryo Transfer	1	0
HLA Antibody identification	1	0
HLA Antibody screen	1	0
HLA Crossmatching	1	0

Note: Information obtained from 2009 PT Program catalogs

Non-Regulated Analyte: 2009 Proficiency Testing Program Count and Frequency

Non-Regulated Analyte List	Number of Programs that Offered Analyte	Number of Programs that Met CLIA PT Frequency
HLA Serologic Typing (Class I / II)	1	0
HLA Serologic Typing (Class I)	1	0
HLA-B27 Typing , molecular	1	0
Molecular HLA-A, B, and C typing (Class I)	1	1
Molecular HLA-DR, DQ, and DP typing (Class II)	1	1
Platelet crossmatch	1	0
Stem cell monitoring engraftment	1	0
Stem Cell Processing	1	0
Molecular Genetics and Pathology		
Cytogenetics, Chromosome abnormality	2	2
Cytogenetics, Karyotype	2	2
Molecular testing, Cystic fibrosis	2	0
Parentage/Relationship Testing, DNA testing (PCR)	2	0
Allele detection (CYP2C19, CYP2C9, CYP2D6, UGT1A1, and VKORC1)	1	0
Biochemical Genetics, Acylcarnitine, quantitative and quantitative	1	0
Biochemical Genetics, Amino acids, plasma and urine, qualitative and quantitative	1	0
Biochemical Genetics, Mucopolysaccharides, urine, qualitative	1	0
Biochemical Genetics, Organic acids, urine, qualitative and quantitative	1	0
Fluorescence In Situ Hybridization (FISH) for constitutional abnormality	1	0
Fluorescence In Situ Hybridization (FISH) for HER2 gene amplification for breast cancer	1	0
Fluorescence In Situ Hybridization (FISH) for neoplastic disorder	1	0
Fluorescence In Situ Hybridization (FISH) For Paraffin-Embedded Tissue, 1p/19q	1	0
Fluorescence In Situ Hybridization (FISH) For Paraffin-Embedded Tissue, CCDN1/IGH	1	0
Fluorescence In Situ Hybridization (FISH) For Paraffin-Embedded Tissue, EWSR1	1	0
Fluorescence In Situ Hybridization (FISH) For Paraffin-Embedded Tissue, IGH/BCL2	1	0
Fluorescence In Situ Hybridization (FISH) For Paraffin-Embedded Tissue, SS18 (SYT)	1	0
Fluorescence In Situ Hybridization (FISH) for urothelial carcinoma	1	0
Forensic Sciences, Calculation challenge	1	0
Forensic Sciences, Database analysis (filter paper)	1	0
Forensic Sciences, Database analysis (whole blood)	1	0
Forensic Sciences, Forensic mitochondrial DNA analysis	1	0
Forensic Sciences, Forensic nuclear DNA analysis	1	0
Forensic Sciences, Mitochondrial DNA database analysis	1	0
Forensic Sciences, Pathology cases	1	0
Immunohistochemistry, Tissue Microarray, CD117	1	0
Immunohistochemistry, Tissue Microarray, CD20	1	0
Immunohistochemistry, Tissue Microarray, Epidermal Growth Factor Receptor (EGFR)	1	0
Immunohistochemistry, Tissue Microarray, Estrogen Receptor (ER)	1	0
Immunohistochemistry, Tissue Microarray, Progesterone Receptor (PR)	1	0
In Situ Hybridization, Epstein-Barr Virus	1	0
In Situ Hybridization, HER2 gene amplification for breast cancer	1	0
In Situ Hybridization, Human papillomavirus	1	0
In Situ Hybridization, Kappa-Lambda	1	0

Note: Information obtained from 2009 PT Program catalogs

Non-Regulated Analyte: 2009 Proficiency Testing Program Count and Frequency

Non-Regulated Analyte List	Number of Programs that Offered Analyte	Number of Programs that Met CLIA PT Frequency
Micosaatellite instability, paraffin-embedded, colorectal carcinoma	1	0
Microarray-genomic copy number assay for constitutional abnormality	1	0
Minimal Residual Disease Testing, BCR/ABL1 transcripts	1	0
Mitochondrial DNA Sequence Analysis	1	0
Molecular Oncology, Molecular analysis (cells, frozen tissue, or DNA)	1	0
Molecular Oncology, Molecular analysis (paraffin sections)	1	0
Molecular Oncology, Molecular analysis, double volume (cells, frozen tissue, or DNA)	1	0
Molecular testing, BRCA 1/2	1	0
Molecular testing, Canavan	1	0
Molecular testing, Connexin-26	1	0
Molecular testing, DMD/Becker	1	0
Molecular testing, Factor V Leiden	1	0
Molecular testing, Familial dysautonomia	1	0
Molecular testing, Fragile X	1	0
Molecular testing, Friedreich ataxia	1	0
Molecular testing, Hemochromatosis	1	0
Molecular testing, Hemoglobin S/C	1	0
Molecular testing, Huntington disease	1	0
Molecular testing, Methylenetetrahydrofolate reductase (MTHFR)	1	0
Molecular testing, Multiple endocrine neoplasia type 2 (MEN2)	1	0
Molecular testing, Myotonic dystrophy	1	0
Molecular testing, Prader-Willi/Angelman Syndrome	1	0
Molecular testing, Prothrombin	1	0
Molecular testing, RhD	1	0
Molecular testing, Spinal muscular atrophy	1	0
Molecular testing, Spinocerebellar ataxia	1	0
Molecular testing, Tay Sachs	1	0
Parentage/Relationship Testing, Calculation challenge	1	0
Sarcoma translocation, RT-PCR	1	0
STR Based Nuclear DNA Analysis	1	0

Note: Information obtained from 2009 PT Program catalogs

Microbiology: 2009 Proficiency Testing Program Count and Frequency

Microbiology Modules	Number of Programs that Offered Module	Number of Programs that Met CLIA PT Frequency
Microbiology - Bacteriology		
Antibiotic Susceptibility Testing	10	10
Bacterial Identification of aerobic or anaerobic bacteria	10	10
GC Culture	10	10
Gram Stain	10	10
Culture, Throat	9	9
Culture, Urine	9	9
C. difficile toxin or antigen detection	8	7
Group A Streptococcus antigen detection	8	8
Gardnerella vaginalis, Antigen Detection	7	7
GC Antigen detection	7	7
Group B Streptococcus antigen detection	7	7
C. trachomatis Antigen detection, DFA	6	6
C. trachomatis, DNA Probe	6	6
Colony Count, Urine	5	0
Culture, Blood	5	0
Culture, Genital	5	5
GC DNA probe	5	5
Group A Strep Antigen Detection, Rapid	5	5
Methicillin Resistant Staphylococcus aureus Screen, culture or NAA	5	4
C. trachomatis, Enzyme Immunoassay	4	4
Culture, CSF	4	0
Culture, Stool	4	0
Culture, Wound	4	0
Streptococcus pneumonieae Antigen detection, urine	4	2
C. trachomatis, Nucleic Acid Amplification	3	3
Culture, Sputum	3	0
GC Nucleic Acid Amplification	3	3
Legionella Antigen detection, urine	3	1
Vancomycin resistant Enterococcus, Nucleic Acid Amplification	3	1
Bacterial Antigen Detection	2	2
Culture, Ear	2	0
Culture, Eye	2	0
Group A Streptococcus culture	2	1
Group B Streptococcus culture	2	2
Laboratory Preparedness Exercise, Bioterrorism	2	0
Shiga toxin, stool, rapid or molecular methods	2	0
Urease	2	0
Bordetella pertussis/parapertussis, Antigen detection	1	0
Bordetella pertussis/parapertussis, Nucleic Acid Amplification	1	0
C. difficile, stool, rapid or molecular methods	1	0
C. trachomatis, Culture	1	1
Enteric Pathogens (may include Campylobacter, E.Coli 0157:H7, Salmonella, Shigella, Yersinia)	1	1
GC Susceptibility testing	1	1
Helicobacter pylori antigen detection, stool	1	0
Legionella – bronchoalveolar lavage	1	0
Legionella pneumophila /Chlamydiophila pneumoniae, Nucleic Acid Amplification	1	0
Molecular Typing (bacterial isolates), Nucleic Acid Amplification	1	0

Note: Information obtained from 2009 PT Program catalogs.

Microbiology: 2009 Proficiency Testing Program Count and Frequency

Microbiology Modules	Number of Programs that Offered Module	Number of Programs that Met CLIA PT Frequency
Neisseria meningitidis Antigen detection	1	1
Microbiology - Mycobacteriology		
Acid Fast Stain	7	7
Mycobacterial culture	5	5
Antimycobacterial susceptibility testing	4	4
Mycobacteriology Identification	4	4
Mycobacterium tuberculosis, Nucleic Acid Amplification	2	0
M. tuberculosis infection detection, QuantiFERON®TB method	1	0
Mycoplasma pneumoniae, Nucleic Acid Amplification	1	0
Microbiology - Mycology		
Candida sp. Antigen Screen	7	7
Dermatophyte identification/screen	6	5
Cryptococcal antigen detection	5	1
Yeast identification	4	4
Mold identification	3	3
Mycology Culture	3	3
Antifungal susceptibility testing	2	0
India Ink	2	0
Microbiology - Parasitology		
Giardia (Immunoassay)	7	6
Trichomonas vaginalis Antigen Screen	7	7
Cryptosporidium (Immunoassay)	6	6
Blood Parasite, Thick and Thin blood film, Giemsa-stained	4	4
Entamoeba histolytica / dispar	1	1
Microbiology - Virology		
Rotavirus antigen, enzyme immunoassay and/or latex agglutination	9	9
Influenza A antigen, DFA	5	5
Influenza A antigen, enzyme immunoassay and/or latex agglutination	5	5
Influenza B antigen, DFA	5	5
Influenza B antigen, enzyme immunoassay and/or latex agglutination	5	5
Respiratory syncytial virus (RSV) antigen, DFA	5	5
Respiratory syncytial virus (RSV) antigen, enzyme immunoassay and/or latex agglutination	5	5
HCV, viral load	3	3
HIV Antigen	3	2
HIV-RNA viral load	3	3
Influenza A/B combo antigen, enzyme immunoassay and/or latex agglutination	3	3
CMV viral load	2	1
HBV DNA viral load	2	1
HCV genotyping	2	1
HCV, qualitative	2	1
HIV genotyping	2	0
HIV, Nucleic Acid Testing	2	1
HIV-1 p24 Antigen	2	1
HSV, Nucleic Acid Amplification	2	1
Human Papillomavirus, Nucleic Acid Amplification	2	0
Parvovirus B19, Nucleic Acid Amplification	2	1
Viral Identification by DFA	2	2
Viral Isolation	2	2

Note: Information obtained from 2009 PT Program catalogs.

Microbiology: 2009 Proficiency Testing Program Count and Frequency

Microbiology Modules	Number of Programs that Offered Module	Number of Programs that Met CLIA PT Frequency
Adenovirus 40/41, stool, rapid or molecular methods	1	0
Adenovirus Antigen (not 40/41), enzyme immunoassay and/or latex agglutination	1	1
Adenovirus, DFA	1	1
Adenovirus, Nucleic Acid Amplification	1	0
BK virus, Nucleic Acid Amplification	1	0
BK Virus, Viral Load	1	0
CMV antigen, DFA	1	1
CMV DNA qualitative	1	1
CMV, Nucleic Acid Amplification	1	0
Coronavirus/Rhinovirus, Nucleic Acid Amplification	1	0
Enterovirus, Nucleic Acid Amplification	1	0
Epstein-Barr virus (EBV) Antigen	1	1
Epstein-Barr virus viral load	1	0
Epstein-Barr virus, Nucleic Acid Amplification	1	0
HAV RNA qualitative	1	1
HAV RNA viral load	1	1
HBV, Nucleic Acid Testing	1	1
HCV, nucleic acid testing	1	1
HSV Antigen, DFA	1	1
HSV, culture	1	1
HSV-1 DNA qualitative	1	1
HSV-2 DNA qualitative	1	1
Human herpesvirus 6, Nucleic Acid Amplification	1	0
Human herpesvirus 8, Nucleic Acid Amplification	1	0
Human metapneumovirus, Nucleic Acid Amplification	1	0
Influenza virus, Nucleic acid amplification	1	0
JC virus, Nucleic Acid Amplification	1	0
Norovirus, stool, rapid or molecular methods	1	0
Parainfluenza antigen, DFA	1	1
Parainfluenza virus, Nucleic Acid Amplification	1	0
Parvovirus B19 DNA Viral Load	1	1
Rabies Antigen	1	1
Respiratory syncytial virus (RSV), Nucleic Acid Amplification	1	0
Rotavirus, stool, rapid or molecular methods	1	0
Varicella-zoster antigen, DFA	1	1
Varicella-zoster virus, Nucleic Acid Amplification	1	0
Viral Antigen Detection	1	1
Viral culture	1	1
West Nile Virus, Nucleic Acid Testing	1	1

Note: Information obtained from 2009 PT Program catalogs.