



SMC Biosolutions specializes in the development and manufacture of Proficiency Testing and External Quality Assessment materials. With over 25 years of development and manufacturing experience, we understand your needs and the importance of monitoring your laboratory's precision and accuracy.

#### **AREAS OF EXPERTISE:**

- Multi-Analyte Chemistry (serum or lyophilized)
- HbA1c
- Immunoassay
- Immunology
- Linearities
- Serology
- Sperm Counts
- Tumor Markers

#### **MATRICES:**

- Defibrinated Human Plasma
- Human Serum
- Bovine Serum
- Urine (Human, Synthetic)
- Aqueous

#### **OTHER SERVICES:**

- Custom Control Development and Manufacturing

# PRODUCT LISTING

## SERUM CHEMISTRY:

- Acetaminophen
- AFP
- Albumin
- ALP
- ALT
- Amikacin
- Amylase
- AST
- Bilirubin, direct
- Bilirubin, total
- BUN
- Caffeine
- Calcium
- Carbamazepine
- Chloride
- Cholesterol
- CK
- CO<sub>2</sub>
- Cortisol
- Creatinine
- Digoxin
- Disopyramide
- Ethosuximide
- Ferritin
- Gentamicin
- GGT
- Glucose
- hCG
- HDL
- Iron
- Lactic Acid
- LD
- LDL
- Lidocaine
- Lipase
- Lithium
- Magnesium
- Methotrexate
- NAPA
- Osmolality
- Phenobarbital
- Phenylalanine
- Phenytoin
- Phosphorus
- Potassium
- Primidone
- Procainamide
- Salicylate
- Sodium
- T3
- T4
- Theophylline
- Tobramycin
- Total Protein
- Triglyceride
- TSH
- T Uptake
- Uric Acid
- Valproic Acid
- Vancomycin

## IMMUNOASSAY:

- Androstenedione
- Calcitonin
- CEA
- C-peptide
- 11-Deoxycortisol
- DHEA
- Estradiol
- Estriol
- Ferritin
- Folate
- FSH
- Gastrin
- hCG
- HGH
- Homocysteine
- Insulin
- LH
- Osteocalcin
- PAP
- Prealbumin
- Progesterone
- Prolactin
- PSA
- 17-Hydroxyprogesterone
- T3
- T4
- Testosterone
- Transferrin
- Vitamin B-12

## TUMOR MARKERS:

- AFP
- β-2 Microglobulin
- CA 15-3
- CA 19-9
- CA 27/79
- CA 125
- CEA
- hCG
- PSA
- PSA, free
- Thyroglobulin
- \* Serum or Lyophilized

## OTHER CHEMISTRIES:

- Ammonia, Serum
- Bilirubin, Neonatal
- Body Fluid Chemistry
- Fructosamine
- Glycohemoglobin (HbA1c)
- hCG, serum or urine
- Immunochemistry
- Lipids
- Sex Hormone Binding Globulin
- Spinal Fluid Chemistry
- Urine Chemistry
- Urine Microalbumin/Creatinine

## IMMUNOLOGY, SEROLOGY:

- Anti-Streptolysin O (ASO)
- Autoimmune Antibodies, see below
- C-Reactive Protein (CRP)
- Diagnostic Allergy
- H. pylori
- Hepatitis Markers
- HIV, including p24 Antigen
- High Sensitivity CRP (hsCRP)
- Immunoproteins
- Infectious Mononucleosis
- Lyme Disease
- Mycoplasma
- Rheumatoid Factor (RF)
- Rubella
- SARS-CoV-2 Antibodies
- Specific Proteins
- Syphilis
- Thyroid Antibodies

## AUTOIMMUNE ANTIBODIES:

- Anti-Nuclear Antibodies (ANA)
- c-ANCA, p-ANCA Antibodies
- Anti-Cyclic Citrullinate Peptide (CCP)
- Anti-Centromere Antibody
- Anti-DNA Antibody
- Anti-Filamentous Actin Antibodies
- Anti-GBM Antibody
- Anti-Histone Antibody
- Anti-Mitochondrial Antibody
- Anti-SS-A/SS-B Antibodies
- Anti-Sm/RNP Antibodies
- Anti-Smooth Muscle Antibody
- Anti-Thyroglobulin/Microsomal
- Celiac Serology
- Scleroderma (Scl-70) Antibody

## POINT OF CARE TESTING:

- Amniotic Fluid, pH
- Fecal Occult Blood (FOB)
- Fetal Fibronectin
- Gastric Occult Blood
- Hemoglobin-Glucose
- Lipids (Cholestech)
- Strep Group A
- Urinalysis
- Whole Blood Glucose

## ANDROLOGY:

- Sperm Count
- Post-Vasectomy Sperm Count
- Fetal Membrane Rupture

## TOXICOLOGY:

- Adulterated Urine
- Blood Lead
- Ethanol Biomarkers
- Urine Drug Screen
- Volatiles, serum/whole blood

## LINEARITY AND CALIBRATION VERIFICATION:

- Ethanol, Serum
- Reproductive Endocrinology
- High Sensitivity CRP (hsCRP)
- Chemistry, Serum