

Biophysical250

Biophysical250 Panel

Autoimmune Evaluation

Anti-Nuclear Antibody
CRP (C Reactive Protein)
ds DNA Antibody (Double stranded DNA Antibody)
Ferritin
Haptoglobin
RF (Rheumatoid Factor)
Beta 2-glycoprotein Antibody
Centromere protein B Antibody
Collagen type 6 Antibody
Complement Factor C1q Antibody
Histone Antibody
Histone H1 Antibody
Histone H2A Antibody
Histone H2B Antibody
Histone H3 Antibody
Histone H4 Antibody
Jo-1 Antibody
Myeloperoxidase Antibody
PCNA Antibody (Proliferating Cell Nuclear Antigen Antibody)
Pm1 Antibody (Polymyositis Antibody)
PR3 Antibody (Proteinase 3 Antibody)
RNP Antibody (Ribosomal Nuclear Protein Antibody)
RNP A Antibody (Ribosomal Nuclear Protein A Antibody)
RNP C Antibody (Ribosomal Nuclear Protein C Antibody)
Ribosomal P Antibody
Scl-70 Antibody (Scleroderma 70 Antibody)
Smith Antibody
SSA Antibody
SSB Antibody

Cancer Evaluation

Basophil Count
Basophil Percentage
Beta-2-Microglobulin
CA 125 (Cancer Antigen 125)
Carcinoembryonic Antigen
DHEA sulphate (Dihydroepiandrosterone Sulfate)
Eosinophil Count
Eosinophil Percentage
EPO (Erythropoietin)
FSH (Follicle Stimulating Hormone)
Globulin (Calculated)
Growth Hormone
Haptoglobin
Helicobacter pylori Antibody
Hematocrit
Hemoglobin
Hepatitis C Antibody
hCG (Human Chorionic Gonadotropin)
IgA (Immunoglobulin A)
IgM (Immunoglobulin M)
Insulin
LDH (Lactic Dehydrogenase)
LH (Luteinizing Hormone)
Lymphocyte Count
Lymphocyte Percentage
Monocyte Count
Monocyte Percentage
Neutrophil Count
Neutrophil Percentage
Platelets

Prolactin
PSA, free (Prostate-Specific Antigen, free)
PSA, total (Prostate-Specific Antigen, total)
Testosterone
Total Protein
WBC (White Blood Cell Count)
AFP (Alpha Fetoprotein)
Calcitonin
BR-MA (CA 15-3, Cancer Antigen 15-3)
CA 19-9 (Cancer Antigen 19-9)
Endothelin 1
Factor VII
Gastrin
GST (Glutathione S-Transferase)
Human Papilloma Virus Antibody
Prostatic Acid Phosphatase

Cardiovascular Evaluation

CRP (C Reactive Protein)
Cholesterol, Total
CKMB (Creatine Kinase MB)
CK Total (Creatine Kinase, Total)
Ferritin
Fibrinogen
Haptoglobin
HDL (High Density Lipoprotein)
Homocysteine
LDL (Low Density Lipoprotein)
LDL/HDL Ratio
Triglycerides
vWF (von Willebrand Factor)
APO A1 (Apolipoprotein A1)
B-type Natriuretic Peptide
Endothelin 1
Lipoprotein (a)
Myeloperoxidase Antibody
Myoglobin
Plasminogen Activator Inhibitor
PCNA Antibody (Proliferating Cell Nuclear Antigen Antibody)
PR3 Antibody (Proteinase 3 Antibody)
APO CIII (Apolipoprotein CIII)
APO H (Apolipoprotein H)
Fatty Acid Binding Protein
Heat Shock Cognate Protein 70 Antibody
HSP 32 Antibody (Heat Shock Protein 32 Antibody)
HSP 65 Antibody (Heat Shock Protein 65 Antibody)
HSP 71 Antibody (Heat Shock Protein 71 Antibody)
HSP 90 alpha Antibody (Heat Shock Protein 90 alpha Antibody)
HSP 90 beta Antibody (Heat Shock Protein 90 beta Antibody)
PAPP-A (Pregnancy-associated plasma protein A)

Cell Signalling Evaluation

BDNF (Brain-Derived Neurotrophic Factor)
Eotaxin
EGF (Epidermal Growth Factor)
FGF basic (Fibroblast Growth Factor-basic form)
GM-CSF (Granulocyte Macrophage Colony Stimulating Factor)
IGF Binding partner 3 (Insulin-Like Growth Factor Binding Partner 3)
IGF-1 (Insulin-Like Growth Factor 1)
ICAM-1 (Intercellular Adhesion Molecule 1)
IL-1 alpha (Interleukin 1 alpha)

Biophysical250

Biophysical250 Panel

Cell Signalling Evaluation (cont)

IL-1 beta (Interleukin 1 beta)
IL-2 (Interleukin 2)
IL-3 (Interleukin 3)
IL-4 (Interleukin 4)
IL-5 (Interleukin 5)
IL-6 (Interleukin 6)
IL-7 (Interleukin 7)
IL-8 (Interleukin 8)
IL-10 (Interleukin 10)
IL-12p40 (Interleukin 12p40)
IL-12p70 (Interleukin 12p70)
IL-13 (Interleukin 13)
IL-15 (Interleukin 15)
IL-16 (Interleukin 16)
IL-18 (Interleukin 18)
Lymphotactin
MDC (Macrophage-Derived Chemokine)
MIP 1 alpha (Macrophage Inflammatory Protein 1 alpha)
MIP 1 beta (Macrophage Inflammatory Protein 1 beta)
MMP-2 (Matrix Metalloproteinase 2)
MMP-3 (Matrix Metalloproteinase 3)
MMP-9 (Matrix Metalloproteinase 9)
MCP-1 (Monocyte Chemotactic Protein 1)
RANTES (Regulated Upon Activation, Normal T-cell Expressed and Secreted)
SCF (Stem Cell Factor)
TIMP-1 (Tissue Inhibitor of Metalloproteinase 1)
TNF-alpha (Tumor Necrosis Factor alpha)
TNF-beta (Tumor Necrosis Factor beta)
TNF RII (TNF Receptor II)
VCAM 1 (Vascular Cell Adhesion Molecule 1)
VEGF (Vascular Endothelium Growth Factor)

Diabetes Evaluation

Glucose
Insulin
Insulin Antibody
C-peptide
Hemoglobin A1c
Leptin
Pancreatic islet cell Antibody
Adiponectin
Insulin-like Growth Factor binding partner 3
IGF-1 (Insulin-like Growth Factor 1)

Endocrine Systems Evaluation

Pituitary/Adrenal

Cortisol
FSH (Follicle Stimulating Hormone)
Growth Hormone
LH (Luteinizing Hormone)
Prolactin
TSH (Thyroid Stimulating Hormone)

Thyroid/Parathyroid

Calcium
PTH (Parathyroid Hormone)
Phosphorus
Thyroglobulin Antibody
Thyroid Microsomal Antibody
TSH (Thyroid Stimulating Hormone)
T4 (Thyroxine)
TBG (Thyroxine Binding Globulin)
T3 (Triiodothyronine)

Calcitonin
Thyroglobulin Antigen
T4 Antibody (Thyroxine Antibody)
T3 Antibody (Triiodothyronine Antibody)
Sex hormones
DHEA sulfate (Dihydroepiandrosterone sulfate)
Estradiol
FSH (Follicle Stimulating Hormone)
LH (Luteinizing Hormone)
Progesterone
Prolactin
Testosterone
Androstenedione
Estril
SHBG (Sex Hormone-Binding Globulin)

Hematology Evaluation

Bilirubin, total
Eosinophil Count
Eosinophil Percentage
EPO (Erythropoietin)
Ferritin
Fibrinogen
Hematocrit
Hemoglobin
Iron Binding Capacity, Total
Iron, serum
LDH (Lactic Dehydrogenase)
Lymphocyte Count
Lymphocyte Percentage
MCH (Mean Corpuscular Hemoglobin)
MCHC (Mean Corpuscular Hemoglobin Concentration)
MCV (Mean Corpuscular Volume)
Monocyte Count
Monocyte Percentage
Neutrophil Count
Neutrophil Percentage
Platelet Count
RBC Count (Red Blood Cell Count)
RDW (Red Cell Distribution Width)
Vitamin B12
WBC Count (White Blood Cell Count)
Basophil Count
Basophil Percentage
Factor VII
Haptoglobin
TPO (Thrombopoietin)
Tissue Factor
vWF (von Willebrand Factor)

Immune Systems/ Inflammation

AST Antigen (Aspartate Aminotransferase Antigen, also called SGOT)
CRP (C Reactive Protein)
Haptoglobin
IgA (Immunoglobulin A)
IgE (Immunoglobulin E)
IgM (Immunoglobulin M)
vWF (von Willebrand Factor)
Factor VII
Alpha 2 Macroglobulin
Complement 3
ENA 78 (Epithelial Neutrophil Activating Peptide 78)
Heat Shock Cognate Protein 70 Antibody

Biophysical250

Biophysical250 Panel

Immune Systems/ Inflammation (cont)

HSP 32 Antibody (Heat Shock Protein 32 Antibody)
HSP 65 Antibody (Heat Shock Protein 65 Antibody)
HSP 71 Antibody (Heat Shock Protein 71 Antibody)
HSP 90 alpha Antibody (Heat Shock Protein 90 alpha Antibody)
HSP 90 beta Antibody (Heat Shock Protein 90 beta Antibody)
SAP (Serum Amyloid P)

Infectious Disease Evaluation

Bacterial/Parasitic Exposure

Helicobacter pylori Antibody
Mycoplasma pneumoniae Antibody
Streptolysin O Antibody
Bordetella pertussis Antibody
Campylobacter jejuni Antibody
Chlamydia pneumoniae Antibody
Chlamydia trachomatis Antibody
Diphtheria Toxin Antibody
Leishmania donovani Antibody
Lyme Disease Antibody
Mycobacteria tuberculosis Antibody
Tetanus Antibody
Toxoplasma Antibody
Trypanosoma cruzi Antibody

Viral Exposure

Cytomegalovirus Antibody
Epstein-Barr Virus EA Antibody
Hepatitis A Antibody
Hepatitis B Core Antibody
Hepatitis B Core e Antibody
Hepatitis B Surface Antibody
Hepatitis B Surface Antigen
Hepatitis C Antibody
Hepatitis D Antibody
HEV orf 2.3kD Antibody
HEV orf 2.6kD Antibody
HEV orf 3.3kD Antibody
Influenza A H3N2 Antibody
Rubella Antibody
Rubeola Antibody
Varicella zoster IgG Antibody
Varicella zoster IgM Antibody
Adenovirus Antibody
Herpes Simplex Virus type 1 group D Antibody
Herpes Simplex Virus type 2 group G Antibody
Herpes Simplex Virus type 1 and 2 Antibodies
Human Papilloma Virus Antibody
HTLV-1/2 Antibody (Human T-cell Lymphotropic Virus type 1 and 2 Antibody)
Influenza type A Antibody
Influenza type B Antibody
Mumps Antibody
Parainfluenza type 1 Antibody
Parainfluenza type 2 Antibody
Parainfluenza type 3 Antibody
Polio Antibody
RSV Antibody (Respiratory Syncytial Virus)
Epstein-Barr Virus NA Antibody
Epstein-Barr Virus VCA Antibody

Nutritional Evaluation

Albumin
Albumin/Globulin Ratio

Amylase
Calcium
Carbon Dioxide
Chloride
Cholesterol, Total
Ferritin
Folic acid
Globulin
Glucose
Hematocrit
Hemoglobin
Iron Binding Capacity, Total
Iron Binding Capacity, Unsaturated
Iron, Percent Saturated
Iron, serum
Magnesium
MCH (Mean Corpuscular Hemoglobin)
MCHC (Mean Corpuscular Hemoglobin Concentration)
Phosphorus
Potassium
Sodium
Total Protein
Triglycerides
Uric acid
Vitamin B12

Organ Systems Evaluation

Gastrointestinal

Helicobacter pylori Antibody
Campylobacter jejuni Antibody
ASCA (anti-Saccharomyces cerevisiae antibodies)
Gastrin
tTG Antibody (tissue Transglutaminase Antibody)

Kidney

BUN (Blood Urea Nitrogen)
BUN/Creatinine Ratio
CO₂ (Carbon Dioxide)
Chloride
Creatinine
Potassium
Sodium
Uric acid
Beta 2-Microglobulin

Liver

ALT (Alanine Aminotransferase)
ALP (Alkaline Phosphatase)
AST (Aspartate Aminotransferase, also called SGOT)
Bilirubin, total
Ferritin
Fibrinogen
GGT (Gamma Glutamyl Transferase)
Haptoglobin
Hepatitis A Antibody
Hepatitis B Core Antibody
Hepatitis B e Antibody
Hepatitis B Surface Antibody
Hepatitis B Surface Antigen
Hepatitis C Antibody
Hepatitis D Antibody
HEV orf 2.3kD Antibody
HEV orf 2.6kD Antibody
HEV orf 3.3kD Antibody
TIBC (Iron binding capacity, total)
LDH (Lactic Dehydrogenase)

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Organ Systems Evaluation *Liver (cont)*

Alpha-1 Antitrypsin
Cytochrome p450 Antibody
GST (Glutathione S-Transferase)
Mitochondrial Antibody

Osteoarthritis Evaluation

CRP (C Reactive Protein)
Ferritin
Haptoglobin
RF (Rheumatoid Factor)
vWF (von Willebrand Factor)
Anti-Nuclear Antibody
Collagen type 1 Antibody
Collagen type 2 Antibody
Collagen type 4 Antibody
Collagen type 6 Antibody
Heat Shock Cognate Protein 70 Antibody
HSP 32 Antibody (Heat Shock Protein 32 Antibody)
HSP 65 Antibody (Heat Shock Protein 65 Antibody)
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