

## DISEASE-STATE PLASMA/SERUM

Logical Biological specialises in the provision of human disease plasma and serum suitable for incorporating into calibrators & controls, for assay development and quality control testing.

- Directly collected from donor centres and blood banks around the world
- Bulk volumes, evaluation and clinical samples available
- Ethically sourced
- Prospective collections and matched sets can be arranged
- Information available (e.g. demographic data, date of collection etc)

### Allergy

Alternaria alternata (M6) specific IgE  
 Ascaris (P1) specific IgE  
 Aspergillus fumigatus (M3) specific IgE  
 Avocado (F96) specific IgE  
 Bahia Grass (G17) specific IgE  
 Beef (F27) specific IgE  
 Bermuda grass (G2) specific IgE  
 Birch (T3) specific IgE  
 Blomia tropicalis (D201) specific IgE  
 Blue Mussel (F37) specific IgE  
 Celery (F417) specific IgE  
 Chicken (F83) specific IgE  
 Chicken feathers (E85) specific IgE  
 Chickpea (F309) specific IgE  
 Cladosporium herbarum (M2) specific IgE  
 Cod (F3) specific IgE  
 Common Wasp (Yellow Jacket) (I3) specific IgE  
 Crab (F23) specific IgE  
 Dermatophagoides farinae (D1) specific IgE  
 Dermatophagoides pteronyssinus (D2) specific IgE  
 Dog dander (E5) specific IgE  
 Dust Mite rDer p23 (D209) specific IgE  
 Egg white (F1) specific IgE  
 Egg Yolk (F75) specific IgE  
 Hazelnut (F440) specific IgE  
 Honeybee (I1) specific IgE  
 Horse Dander (E3) specific IgE  
 Total IgE (High)  
 Kiwi (F84) specific IgE  
 Lentil (F235) specific IgE  
 Meadow Fescue Grass (G4) specific IgE  
 Milk (F2) specific IgE  
 Mouse (E88) specific IgE  
 Mutton (F88) specific IgE  
 Oak (T7) specific IgE  
 Olive Tree (T9) specific IgE  
 Peanut (F13) specific IgE  
 Pork (F26) specific IgE  
 Rat (E87) specific IgE  
 Rye (F5) specific IgE  
 Sagebrush mugwort (W6) specific IgE  
 Shrimp (F24) specific IgE  
 Soybean (F14) specific IgE  
 Squid (F258) specific IgE  
 Sycamore (T11) specific IgE  
 Timothy grass (G6) specific IgE  
 Tuna (F40) specific IgE  
 Wall pellitory (W19) specific IgE  
 Wall pellitory (W21) specific IgE  
 Wheat (F4) specific IgE  
 White Ash (T15) specific IgE  
 White Bean (F15) specific IgE  
 Willow (T12) specific IgE

### Hormones

ACTH  
 FT3  
 FT4  
 FSH  
 HGH  
 LH  
 Prolactin  
 SHBG  
 TSH

### Neurological

Alzheimer's  
 Neuron Specific Enolase (NSE)  
 Parkinson's  
 tTau

### Auto-Immune

Anti-CCP (Cyclic Citrullinated Peptide)  
 Anti-CENPB  
 Anti-dsDNA  
 Anti-GBM  
 Anti-Gliadin IgA  
 Anti-IA2  
 Anti-IAA  
 Anti-Intrinsic Factor  
 Anti-Jo1  
 Anti-MPO  
 Anti-Nuclear Antibodies (ANA)  
 Anti-Proteinase 3 (PR3)  
 Anti-Ribosomal P  
 Anti-RNP  
 Anti-Scl70  
 Anti-Smith  
 Anti-SSA  
 Anti-SSB  
 Anti-Tg (Thyroglobulin)  
 Anti-TPO (Thyroid Peroxidase)  
 Anti-tTG IgA  
 Beta2 IgA  
 Beta2-GP1 IgG  
 Cardiolipin IgA/ IgG/ IgM  
 Celiac  
 Gliadin deamidated IgA/ IgG  
 Rheumatoid Factor (RF)  
 Systemic Lupus Erythematosus (SLE)  
 tTG IgG

### Cardiovascular

ApoA  
 ApoE  
 Apolipoprotein A-I, Plasma  
 Apolipoprotein A-II, Plasma  
 Apolipoprotein A-IV  
 Apolipoprotein B, Plasma  
 Apolipoprotein C-III, Plasma  
 BNP  
 CK-MB  
 CK-MM  
 CRP  
 D-Dimer  
 Fatty Acid Binding Protein  
 Fatty Acid Binding Protein 3  
 Fibrinogen  
 Heart Myosin Light Chain (MLC) Kinase  
 High Density Lipoprotein  
 Low Density Lipoprotein  
 MPO  
 Myoglobin  
 NT-proBNP  
 Procalcitonin  
 Tropomyosin  
 Troponin C  
 Troponin I  
 Troponin T  
 Scleroderma

### Pregnancy

alpha-hCG  
 beta-hCG  
 hCG  
 Contraceptive-treated  
 First Trimester Pregnancy  
 Second Trimester Pregnancy  
 Third Trimester Pregnancy

### Miscellaneous

Alkaline Phosphatase  
 Alpha-1-Antichymotrypsin  
 Alpha-1-Antitrypsin  
 Alpha-1-Microglobulin  
 Alpha-2-Antiplasmin  
 Alpha-2-Macroglobulin  
 Alpha-2-Glycoprotein 1, Zinc-Binding  
 Alpha-2-HS-Glycoprotein  
 Alpha Amylase Pancreas  
 Amylase alpha 1A  
 Angiotensinogen  
 Antibiotics  
 Antifungals/ Parasitic  
 Antileptics  
 Antithrombin-III  
 Apotransferrin  
 Ascites Fluid  
 Aspartate Aminotransferase, Mitochondrial  
 B2G1/APOH  
 Butyrylcholinesterase / BCHE  
 C1 Esterase Inhibitor, Plasma  
 Calpain-1, Erythrocytes  
 Calprotectin Stools  
 Catalase  
 Cathepsin B/ D/ G/ H/ L  
 Ceruloplasmin  
 Chymotrypsin  
 Coagulation Factor XIII/ XIIIa  
 Complement 3c/ 4c  
 CSF  
 CTSH Protein  
 Cystatin C  
 Gamma Glutamyltransferase  
 HAMA (Human anti-mouse antibody)  
 Haptoglobin 1-1  
 Hemoglobin A1c  
 Hemopexin  
 Holo-Transferrin  
 Hospitalised  
 Lactate Dehydrogenase  
 LD2 3H1M  
 LD3 2H2M  
 LD4 1H3M  
 LD5 4M  
 Lactoferrin  
 Leukocytes  
 Leukocyte Esterase  
 Neutrophil Elastase  
 Orosomucoid 1  
 Pepsinogen I/ II  
 Plasminogen  
 Prealbumin Transthyretin  
 Prolactin  
 Saliva  
 Thrombin alpha  
 Thrombospondin-1  
 Urine  
 Whole Blood

### Sepsis/Inflammation

CRP  
 IL-6  
 Procalcitonin (PCT)  
 Sepsis positive

## DISEASE-STATE PLASMA/SERUM

### Cancer

Alpha Feto Protein  
CEA  
CA125  
CA15-3  
CA19-9  
CA72-4  
CTSB  
Cyfra 21-1  
Gastrin-17  
HE4  
Hepatocellular Carcinoma (HCC)  
HGFR  
Myeloma IgE  
NSE  
Pepsinogen 1  
Pepsinogen 2  
PIVKA2  
PSA  
Small Cell Lung Cancer (SCLC)  
Squamous Cell Carcinoma (SCC)  
Thyroglobulin (Tg)

### Infectious Diseases





Adenovirus IgG/ IgM  
Anti-HBc  
Anti-HBc IgM  
Anti-Hbe  
Anti-HBs  
Anti-Hepatitis C Virus (HCV)  
Anti-Hepatitis D Virus (HDV)  
Anti-HIV  
Anti-HIV1 or HIV2  
Anti-HTLV1  
Antistreptolysin O  
Anti-Syphilis  
Aspergillus IgG  
B. pertussis IgG  
Candida albicans IgG/ IgM  
Chagas IgG  
Chikungunya IgG  
Chlamydia pneumoniae IgG/ IgM  
Chlamydia trachomatis IgG/ IgM  
CMV IgG/ IgM  
Coronavirus 229E IgG/ IgM  
Coronavirus HKU1 IgG/ IgM  
Coronavirus NL63 IgG/ IgM  
Coronavirus OC43 IgG/ IgM  
Coxsackie B Virus IgG positive  
Dengue IgG/ IgM  
E. coli IgG/ IgM (except O157:H7, O103)  
Echovirus IgG positive  
Enterovirus IgG  
Epstein Barr Virus (EBV) IgG/ IgM  
Epstein Barr Virus (EBV) EA IgG/ IgM  
Epstein Barr Virus (EBV) VCA IgG  
Ev71 IgM  
Haemophilus influenzae IgG/ IgM  
HbsAg  
HBsAg Ay  
HBV IgG  
HCV IgG  
Hepatitis A IgG/ IgM  
Hepatitis B e Antigen (HbeAg)

Hepatitis B Virus (HBV) Cytosolic Antigen  
Hepatitis B Virus (HBV) IgM  
Hepatitis C Virus (HCV) IgM  
Hepatitis D Virus (HDV) IgM  
Hepatitis E Virus (HEV) IgG/ IgM  
Herpes Simplex Virus 1 (HSV1) IgG/ IgM  
Herpes Simplex Virus 2 (HSV2) IgM  
HIV IgG/ IgM  
HIV P24  
HSV IgM  
HSV1/2 IgG/ IgM  
Influenza A (Seasonal) IgG/ IgM  
Influenza B IgG/ IgM  
Legionella pneumophila IgG/ IgM  
Leptospira IgM  
M. tuberculosis IgG  
Measles IgG/ IgM  
Metapneumovirus (MPV) IgG/ IgM  
Mumps (Rubulavirus) IgG/ IgM  
Mycoplasma pneumoniae IgG/ IgM  
Parainfluenza 1 IgG/ IgM  
Parainfluenza 2 IgG/ IgM  
Parainfluenza 3 IgG/ IgM  
Parvovirus B19 IgG/ IgM  
Plasmodium falciparum IgG  
Pneumocystis jirovecii IgG  
Poliovirus IgG positive  
Rhinovirus IgG  
Rotavirus positive  
RSV IgG/ IgM  
Rubella IgG/ IgM  
Salmonella typhi IgG  
SARS-Cov-2 IgA/ IgG/ IgM  
Streptococcus pneumoniae IgG  
Streptococcus pyogenes IgG  
Syphilis IgM  
Tick-borne Encephalitis (TBE) Virus IgG  
Toxoplasma IgG/ IgM  
Varicella Zoster Virus (VZV) IgG/ IgM  
Zika Virus IgG/ IgM

This list is not exhaustive. Please contact us with requests for other markers. Please note: IgG samples are reflective of passed infection.

## RESPIRATORY

Logical Biological offers a wide range of respiratory disease materials, with quantitative results.

-  Bulk volumes, evaluation and clinical samples available
-  Ethically sourced
-  Prospective collections and matched sets can be arranged subject to availability
-  Information available (e.g. demographic data, date of collection)

### Marker

Adenovirus  
Coronavirus 229E IgG/ IgM  
Coronavirus HKU1 IgG/ IgM  
Coronavirus NL63 IgG/ IgM  
Coronavirus OC43 IgG/ IgM  
Influenza A (Seasonal) IgG/ IgM  
Influenza B IgG/ IgM  
H. influenzae IgG/ IgM  
Parainfluenza 1 IgG/ IgM  
Parainfluenza 2 IgG/ IgM  
Parainfluenza 3 IgG/ IgM  
Parainfluenza 4 IgG  
Respiratory Syncytial Virus (RSV) IgG/ IgM  
Respiratory Virus Negative  
SARS-CoV-2 IgA/ IgG/ IgM  
SARS-CoV-2 Hospitalised

### Format

Swabs  
Serum, Plasma, Swabs  
Serum, Plasma  
Serum, Plasma  
Serum, Plasma  
Serum, Plasma, Swabs  
Serum, Plasma, Swabs  
Serum, Plasma, Swabs  
Serum, Plasma  
Serum, Plasma, Swabs  
Serum, Plasma, Swabs  
Serum, Plasma  
Serum, Plasma, Swabs  
Serum, Plasma, Swabs  
Swabs, Saliva  
Serum, Plasma  
Serum, Plasma, Swabs

This list is not exhaustive. Please contact us with requests for other markers.