Logical Biological



Disease State Biospecimens

Logical Biological specialises in the provision of human biological materials suitable for manufacturing calibrators & controls, for assay development and quality control testing.

- Ethically collected from donor centres and blood banks around the world
- Bulk volumes, evaluation and clinical samples available
- Prospective collections and matched sets can be arranged
- Demographic and clinical data available

Allergy

Component tested IgEs available
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

Autoimmune

Antiphospholipid Syndrome (APS)
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/ p-ANCA
Anti-Nuclear Antibodies (ANA)
Anti-Proteinase 3 (PR3)/ c-ANCA
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
GP210
Rheumatoid Factor (RF)
Systemic Lupus Erythematosus (SLE)

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 3
Fibrinogen
Heart Myosin Light Chain (MLC) Kinase
High Density Lipoprotein
Low Density Lipoprotein
MPO
Myoglobin
NT-proBNP
Procalctonin
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
GAD
Gamma Glutamyltransferase
HAMA (Human anti-mouse antibody)
Haptoglobin 1-1
Hemoglobin A1c
Hemopexin
Holo-Transferrin
IA-2
IAA
Lactate Dehydrogenase
LD2 3H1M
LD3 2H2M
LD4 1H3M
LD5 4M
Lactoferrin
Leukocytes
Leukocyte Esterase
Non-Alcoholic Steatohepatitis (NASH)
Neutrophil Elastase
Orosomucoid 1
Pepsinogen I/ II
Plasminogen
Prealbumin Transthyretin
Prolactin
Thrombin alpha
Thrombospondin-1
Whole Blood
ZnT8A (Zinc Transporter 8 autoantibodies)

Neurological

Alzheimer's
Amyloid beta
Glial Fibrillary Acidic Protein (GFAP)
Neurofilament Light Chain (NfL)
Phosphorylated Tau (pTau)
Traumatic Brain Injury

Logical Biological

Serum | Plasma | Swabs | Tissue | Urine & Stools | Other Biomaterials

Disease State Biospecimens

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)

Sepsis/Inflammation

CRP
IL-6
Procalcitonin (PCT)
Sepsis positive

Infectious Diseases

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
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 Ad
HBsAg Ay
Hepatitis A IgG/ IgM
Hepatitis B e Antigen (HbeAg)
Hepatitis B Virus (HBV) Cytosolic Antigen
Hepatitis B Virus (HBV) IgG/ IgM
Hepatitis C Virus (HCV) IgG/ IgM
Hepatitis D Virus (HDV) IgG/ 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
Legionella pneumophila IgG/ IgM
Leptospira IgM
M. tuberculosis IgG
Measles IgG/ IgM
Metapneumovirus (MPV) IgG/ IgM
Mumps (Rubulavirus) IgG/ IgM
Mycoplasma pneumoniae IgG/ IgM
Parvovirus B19 IgG/ IgM
Plasmodium falciparum IgG
Pneumocystis jirovecii IgG
Poliovirus IgG positive
Rhinovirus IgG
Rotavirus positive
Rubella IgG/ IgM
Salmonella typhi IgG
Syphilis IgM
Tick-borne Encephalitis (TBE) Virus IgG
Toxoplasma IgG/ IgM
Varicella Zoster Virus (VCV) IgG/ IgM
Zika Virus IgG/ IgM

Respiratory Marker	Format
Adenovirus IgG/ IgM	Plasma, Saliva, Serum, Swabs
Coronavirus 229E, HKU1, NL63, OC43	Serum, Plasma, Swabs
Influenza A IgG/ IgM	Serum, Plasma, Swabs
Influenza B IgG/ IgM	Serum, Plasma, Swabs
H. influenzae IgG/ IgM	Serum, Plasma, Swabs
Parainfluenza 1, 2, 3 IgG/ IgM	Serum, Plasma, Swabs
Parainfluenza 4 IgG	Serum, Plasma, Swabs
Respiratory Syncytial Virus (RSV) IgG/ IgM	Serum, Plasma, Swabs
Respiratory Virus Negative	Swabs, Saliva
SARS-CoV-2 IgA/ IgG/ IgM	Serum, Plasma Swabs, Nasal Fluid, PBMC, Saliva
Streptococcus pneumoniae IgG	Plasma, Serum, Swab, CSF, Urine

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

Tissue

High quality, characterized in detail, IRB collected with informed consent, and pathology verified.

Indications

- Oncology- tumour and normal-adjacent tissue, primary & metastatic
- Benign tumour tissue
- Post-mortem normal tissue

Formats

- FFPE tissue blocks, slides, curls, and TMAs
- Fresh Frozen tissue
- Matched tissue sets and biofluids (serum, plasma, cells)

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