

Serum
 

 Plasma
 

 Swabs
 

 Saliva
 

 Urine
& Stools
 

 Biomaterials
Other
 

Logical Biological was established to serve the IVD industry with a reliable source of best-in-industry biological specimens. We are specialists in healthy and disease state human biological materials such as serum, plasma, swabs, saliva, stools, urine, and other biomaterials.

- 🔥 Diverse array of analytes including cancer, cardiac, infectious diseases (including Hazard Group 3), allergy, pregnancy and more
- 🔥 Bulk volumes, evaluation, and clinical samples available
- 🔥 Directly collected from donor centres and blood banks around the world

IVD Specialists

With >125 years combined experience in IVD, we have the knowledge to understand exactly what you need and strive to be 100% reliable in delivering it.

Quality Products

ISO 9001:2015 certified and committed to ensuring Quality Assurance in our products and processes.

Ethically Obtained

Material collected and handled under the relevant ethical procedures (e.g., informed consent and/or IRB). Donor information available (age, gender, etc.).

Prospective Collections

Material can be collected prospectively based on your requirements. Our approach is to understand exactly what you need and provide material that meets your custom specification.

Illustrations of customised material requests fulfilled.

SARS-CoV-2 Swab/Saliva Matched Sets

Marker	SARS-CoV-2
Number of lots	100 donors
Matrix	Per donor: <ul style="list-style-type: none"> 🔥 Nasal swab dipped into proprietary liquid provided by client 🔥 Dry nasal swab 🔥 Saliva
Test Performed	Thermo Taqpath SARS-CoV-2 PCR
Volume per lot	0.7ml proprietary swabbed buffer, 1ml saliva
Specification	Donors positive for SARS-CoV-2
Donor information	Age, gender, symptom onset date, date of collection, test result with Ct value

Plasma and Serum Matrixes with Specified Troponin T Concentrations

Marker	Troponin T
Number of lots	150 x low 250 x high
Matrix	Per concentration: <ul style="list-style-type: none"> 🔥 Li-Hep plasma 🔥 K2 EDTA plasma 🔥 Serum
Test Performed	Labcorp Troponin T
Volume per lot	1ml
Specification	150 x TnT concentrations 200-500 ng/L 250 x TnT concentrations >500 ng/L
Donor information	Age, gender, date of collection, test result (ng/L)

Serum



Plasma



Swabs



Saliva



Urine & Stools



Biomaterials Other



Pre-treatment, Disease Staged Cancer Serum

Marker	Small Cell Lung Carcinoma
Number of lots	120 donors
Matrix	Serum
Volume per lot	5 x 1ml aliquots from each donor
Specification	Pre-treatment donors, no freeze-thaw cycles
Donor information	SCLC Disease-stage recorded, age, gender, date of collection, ethnicity

Healthy Donor Serum Processed within 1 hour of Collection

Marker	Healthy donors
Number of lots	400 donors
Matrix	Serum
Volume per lot	20x 1ml aliquots per donor
Specification	Processed within 1 hour of collection, normal healthy donors
Donor information	Smoking status, date of collection, age, gender

Plasma and Serum Matrixes with Specified Phenytoin Concentrations

Marker	Phenytoin
Number of lots	30 donors
Matrix	Per donor: <ul style="list-style-type: none"> ⦿ K2 EDTA plasma ⦿ K3 EDTA plasma ⦿ Li-Hep plasma ⦿ Serum

Test Performed	Labcorp Phenytoin
Volume per lot	1ml per matrix
Specification	1-40 µg/ml Phenytoin
Donor information	Age, gender, date of collection, test result (µg/ml)

Testing Services

We can collect and test samples on your Lateral Flow device in our laboratories. Send us your cassettes, reader, etc., and our highly skilled team will perform the testing and provide a full report.

Examples of testing service requests fulfilled

Logical Biological collected 50 positive and 50 negative SARS-CoV-2 nasal swabs in PBS with no other additives. Samples were collected according to client's specification, in this case SARS-CoV-2 PCR positive and representing a range of Ct values with a maximum of 30. Samples were run on a test device provided by the client using their protocol. Results were recorded and a final report provided.

A client sent us their Lateral Flow cassettes, reader, and extraction buffer. Logical Biological collected SARS-CoV-2 positive saliva samples and applied them to our client's test according to the client's Instructions for Use. Results were recorded and a final report provided.

