

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

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

#### Plasma and Serum Matrixes with Specified Troponin T Concentrations

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

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### Pre-treatment, Disease Staged Cancer Serum

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

### Healthy Donor Serum Processed within 1 hour of Collection

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

### Plasma and Serum Matrixes with Specified Phenytoin Concentrations

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

<b>Test Performed</b>	Labcorp Phenytoin
<b>Volume per lot</b>	1ml per matrix
<b>Specification</b>	1-40 µg/ml Phenytoin
<b>Donor information</b>	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.*

## CONTACT US



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