



See Page 2 for a list of Diagnostic Tests. Please mark **ALL** tests to be done.

Patient Information, Referring Physician, and Ordering Laboratory are **ALL REQUIRED** for samples to be processed without delay.

**PATIENT INFORMATION**

**Patient Name (Surname, First name)**

**Surname:**

**First Name:**

**Sex**      **Female**      **Male**

**Personal Health Number Date of Birth (dd/mm/yy)**

**REFERRING PHYSICIAN INFORMATION**

**Physician Name (Surname, First name)**

**Phone Number**

**Fax Number**

**Email address**

**Comments**

**ORDERING LABORATORY INFORMATION**

**Laboratory Name**

**Address**

**Phone number**

**Fax number**

**Email address**

**SAMPLE INFORMATION**

**Sample Type**    Serum                      Plasma                      CSF

**Time and Date Collected (dd/mm/yy)**

**Ordering Lab Reference #**

**Reason for Testing / Comments**

**Sample Attestation**

I attest that the sample was prepared in accordance with the sample collection procedure below

**SAMPLE COLLECTION**

**Sample Collection and Preparation Procedure:** Collect blood in a plasma EDTA tube (Purple Vacutainer) or in a serum collection tube (Gold (SST) or Red Vacutainer) - please do not use heparinized tubes for sample collection . Within 30 minutes from collection, centrifuge at 1000 x g for 10 minutes at 4°C. Immediately transfer/aliquot 0.3 - 1 mL cell-free plasma or serum to a small tube (~3mL or smaller tube such as a false-bottom tube). Freeze the sample ( $\leq -20^{\circ}\text{C}$ ) and ship on dry ice (consider including a temperature monitoring device in the shipment).

**SHIPPING INFORMATION**

Please ship on **Monday** or **Tuesday** of any desired workweek to ensure your samples are scheduled to arrive **before 3pm on Friday**. Please do not send samples on weekends or holidays as Eve Diagnostics will be closed and **SAMPLES WILL NOT BE RECEIVED UNTIL THE FOLLOWING WORKWEEK**. Shipments from any shipping company are accepted (including Purolator and FedEx). Tracking numbers should be retained for delivery confirmation. If problems arise or your package is not delivered promptly please email us at [contact@evetechnologies.com](mailto:contact@evetechnologies.com).

**Shipping -- See [Sample Shipping Guide](#).** Please send properly labeled and packaged samples with this requisition to: Eve Technologies Corporation, 3415 A 3rd Avenue NW, Calgary, AB, Canada , T2N 0M4

**RECEIVING RESULTS**

Results typically follow within 5 business days after receipt of sample and payment.

Results/reports will be **faxed to referring physicians/laboratories** (for private patients, anonymized results will be emailed directly to the patient). **Please provide a valid fax number to receive results.** If you have not received your results, please contact the laboratory that sent your sample. For missing or delayed reports, please contact us.

**CONTACT INFO FOR LABS**

**Eve Diagnostics**

3415A 3rd Ave NW

Calgary, AB, T2N 0M4

Phone: 587-975-8850 Fax: 4587-975-8899

Email: [contact@evetechnologies.com](mailto:contact@evetechnologies.com)

Visit our website: [www.evetechnologies.com/cytokine-array-patient-diagnostics/](http://www.evetechnologies.com/cytokine-array-patient-diagnostics/)



Eve Technologies is certified by Centers for Medicare & Medicaid Services (CMS) as a High Complexity International Laboratory under the Clinical Laboratory Improvement Amendments (CLIA); speciality Diagnostic Immunology, subspeciality General Immunology. These are Laboratory Developed Tests (LDT) and do not appear on the lists of tests in the Federal Register and have not been reviewed by the U.S. Food and Drug Administration.

**IMMUNE BIOMARKER TEST REQUISITION**

**Medical Personnel: Please mark ALL tests to be done**

**Cytokine, Chemokine, Growth Factor Panel (71-Plex):** 6Ckine, BCA-1, CTACK, EGF, ENA-78, Eotaxin, Eotaxin-2, Eotaxin-3, FGF-2, Flt-3 Ligand, Fractalkine, G-CSF, GM-CSF, GRO $\alpha$ , I-309, IFN $\alpha$ 2, IFN $\gamma$ , IL-1 $\alpha$ , IL-1 $\beta$ , IL-1RA, IL-2, IL-3, IL-4, IL-5, IL-6, IL-7, IL-8, IL-9, IL-10, IL-12(p40), IL-12(p70), IL-13, IL-15, IL-16, IL-17A, IL-17E/IL-25, IL-17F, IL-18, IL-20, IL-21, IL-22, IL-23, IL-27, IL-29A, IL-33, IP-10, LIF, MCP-1, MCP-2, MCP-3, MCP-4, M-CSF, MDC, MIG, MIP-1 $\alpha$ , MIP-1 $\beta$ , MIP-1 $\delta$ , PDGF-AA, PDGF-AB/BB, RANTES, sCD40L, SCF, SDF-1 $\alpha$ + $\beta$ , TARC, TGF $\alpha$ , TNF $\alpha$ , TNF $\beta$ , TPO, TRAIL, TSLP, VEGF-A  
**Indications:** Use this test when identifying relevant therapy targets, mechanism of disease is unknown, arthritis, macrophage activation syndrome (MAS), Hemophagocytic lymphohistiocytosis (HLH), sepsis / toxic shock, necrotizing fasciitis, admitted meningitis, admitted pneumonia, Kawasaki syndrome, prolonged or periodic fever, severe or chronic inflammation, organ dysfunction. Also useful in investigation of 'cytokine storm' seen in HLH and related conditions.

**Reference Intervals available for PLASMA-EDTA samples, SERUM, and CSF samples**

**Results presented with cytokine groupings (immune signatures)**

**Focused Cytokine, Chemokine, Growth Factor Panel (15-Plex):** GM-CSF, IFN $\gamma$ , IL-1 $\beta$ , IL-1RA, IL-2, IL-4, IL-5, IL-6, IL-8, IL-10, IL-12(p40), IL-12(p70), IL-13, MCP-1, TNF- $\alpha$

**Indications:** Use this test when identifying relevant therapy targets in severe or chronic inflammation, and 'cytokine storm' seen in COVID-19.

**Reference Intervals available for PLASMA-EDTA samples, SERUM, and CSF samples**

**Soluble Cytokine Receptor Panel (14-Plex):** sCD30, sEGFR, sgp130, sIL-1RI, sIL-1RII, sIL-2R $\alpha$ , sIL-4R, sIL-6R, sRAGE, sTNFR1, sTNFR2, sVEGFR1, sVEGFR2, sVEGFR3

**Indications:** Use this test when identifying relevant therapy targets, mechanism of disease is unknown, arthritis, macrophage activation syndrome (MAS), Hemophagocytic lymphohistiocytosis (HLH), sepsis / toxic shock, necrotizing fasciitis, admitted meningitis, admitted pneumonia, Kawasaki syndrome, prolonged or periodic fever, severe or chronic inflammation, organ dysfunction.

**Reference Intervals available for PLASMA-EDTA samples and CSF samples**

**Serum Amyloid A (SAA) / ADAMTS13 Panel (2 Plex)**

**Indications:** Use this test for acute phase inflammatory detection, chronic inflammatory diseases.

**Reference Intervals available for PLASMA-EDTA samples and CSF (SAA only) samples**

**Complement Profile Panel (13-Plex):** Adipsin (Factor D), C1q, C2, C3, C3b/iC3b, C4, C5, C5a, Factor B, Factor H, Factor I, Mannose Binding Lectin (MBL)

**Indications:** Use this test for acute phase inflammatory detection.

**Reference Intervals available for PLASMA-EDTA samples.**

**Interferon Panel (9-Plex):** IFN $\alpha$ 2, IFN $\beta$ , IFN $\gamma$ , IFN $\gamma$ R1, IFN $\epsilon$ , IFN $\lambda$ 1, IFN $\lambda$ 2, IFN $\lambda$ 3, IFN $\omega$

**Indications:** Use this test to assess the interferon response in viral infections, autoinflammatory interferopathies, and autoimmune diseases.

**Reference Intervals available for PLASMA-EDTA samples and SERUM samples.**

**Angiogenesis Panel (12-Plex):** Angiopoietin-2, BMP-9, Endoglin, Endothelin-1, FGF-1, Follistatin, HB-EGF, HGF, Leptin, PLGF, VEGF-C, VEGF-D

**Indications:** Use this test to assess abnormalities of angiogenesis in cancer, autoimmune diseases, cardiovascular disease, or other chronic inflammatory conditions.

**Reference Intervals available for PLASMA-EDTA samples.**

**SAA / Cardiovascular Disease Panel (6-Plex):** ADAMTS13, D-Dimer, SAA, sICAM-1, sP-Selectin, sVCAM-1

**Indications:** Use this test to investigate the underlying molecular basis of suspected coagulopathies, cardiovascular disease, and acute or chronic inflammation.

**Reference Intervals available for PLASMA-EDTA samples.**

**Long COVID Angiogenesis & Cardiovascular Biomarker Panel (18-Plex):** ADAMTS13, Angiopoietin-2, BMP-9, D-Dimer, Endoglin, Endothelin-1, FGF-1, Follistatin, HB-EGF, HGF, Leptin, PLGF, SAA, sICAM-1, sP-Selectin, sVCAM-1, VEGF-C, VEGF-D

**Indications:** Use this panel to investigate dysfunctions in vascular and endothelial integrity, coagulation, and inflammation. The panel consists of circulating factors that may suggest abnormalities in angiogenesis (a response to persistent vascular injury), coagulation, vascular function and inflammatory responses, which are thought to be key features of long COVID pathogenesis.

**Reference Intervals available for PLASMA-EDTA samples.**

**COMMENTS**

