

Instructions and requirements for sending samples to Wieslab

Ensuring that sampling, sample handling, sample identification, packaging, transport and delivery to Wieslab takes place in the correct manner, is the responsibility of the Customer/Sender.

See Wieslab request forms for: Requested sample volume, sample material, storage temperature and transportation considerations.

Request forms can be downloaded [here](#)





- **Clearly labeled** samples should be submitted together with the completed request form
- **State clearly the referring hospital/clinic/physician's name and phone number on the request form.** This is particularly important for acute testing.
- **The sample should be of the correct volume and material** for the requested tests
- **The sample should not be hemolytic, lipemic or icteric.**
- **The sample should be properly processed, packaged and transported** to Wieslab in a timely manner and under environmental conditions that will not compromise sample integrity (see particular handling for [CSF](#)).
- **If samples cannot be sent immediately to Wieslab** they should be stored in the refrigerator (2-8° C, up to one week) or freezer (-20° C for prolonged storage) awaiting transportation.
- **Never send frozen samples on a Friday or a day before a Holiday.** Due to the risk of sample thawing/deteriorating in case of delivery delays
- **Transport:** Transport at room temperature, standard postal letter is acceptable (padded envelope marked UN 3373) if not stated otherwise on the Request Form.
- **For international and/or long transportation,** cold packs or dry ice (UN3337) are recommended for samples that could otherwise (within Sweden) be sent at "room temperature".

General Sampling Instructions (autoantibodies)

(For Complement assays, Biomarkers (in CSF), Narcolepsy assay and Therapeutic Drug Monitoring, please see [Specific sampling instructions](#))

Blood

- Blood should primarily be collected in plain serum tubes/serum separating tubes (SST) without anticoagulants or other additives (see picture in table below)
- Both venous and capillary samples are acceptable.
- 7 mL blood (3 mL serum) will be enough for approximately 15 single tests.

Tests included in:	Sample material:	Tube type:
Autoimmune Diagnostics, Neurology, Monitoring Biopharmaceuticals (TDM) Some tests can also be analyzed in Plasma (see request form) HLA-DQB1*0602 at suspicion of narcolepsy	Serum	 SST Plain serum tube
	CSF	 Polypropylene Tube (CSF)
	EDTA plasma	 EDTA tube (centrifuged)
	Whole blood (2,5 mL)	 EDTA tube - uncentrifuged for whole blood

Serum

- The blood sample should be coagulating for at least 30 minutes and then centrifuged (1300-1800g) at ambient temperature
- Separate serum into plain tube/s (SST do not require transferring the supernatant serum)
- Serum should be kept cold until transport

CSF (Cerebrospinal fluid)

- Collect CSF in a sterile Polypropylene tube
- 3 mL CSF will be enough for approximately 10 single tests.
- Samples can be transported at “room temperature” (see Transport above). If samples cannot be sent immediately, they should be stored in a refrigerator (2-8°C, up to one week) or freezer (-20°C for prolonged storage).

Specific sampling instructions

(Specific sampling instructions applies for *Complement assays, Biomarkers (in CSF), Narcolepsy assay and Therapeutic Drug Monitoring*)

1. Complement assays

The centrifuged serum samples and EDTA-plasma should be frozen immediately and shipped on dry ice.

Serum (C3, C4, C1q, and functional complement assay)

- Serum samples should be collected as described above
- Turn the test tube at least 5 times after sampling
- Separate serum into two plain tubes and transport it on dry ice
- The tube must be marked with “SERUM”

EDTA-plasma (C3d)

- The sample should be centrifuged for 10 minutes at ambient temperature (1300-1800g)
- Separate plasma into a plain tube and transport it on dry ice – within 24 hours of sampling
- The tube must be marked with “PLASMA”

2. Biomarkers (in CSF)

Always use polypropylene tubes for collecting, centrifuging (10 minutes at 1300-1800g) and transportation. The samples must be stored frozen and packed with dry ice when shipped.

NOTE! Samples must not be thawed after freezing. Never send frozen samples on Fridays or a day before a Holiday.

Alzheimer markers and markers of neuronal damage (Parenchymal): At least 1,5 mL CSF divided in 3 polypropylene cryotubes (0,5 mL in each tube) and frozen.

Neuromyelitis Optica Spectrum Disease: At least 1 mL CSF divided in 2 polypropylene cryotubes (0,5 mL in each tube) and frozen.

Neurofilament Heavy: At least 0,5 mL CSF in a polypropylene cryotube and frozen.

3. Narcolepsy panel

For the complete panel, the following samples are required:

- Serum: 3 mL (Trib2)
- CSF: 0,5 mL (Orexin/Hypokretin) and
- Whole blood: 2,5 mL (HLA-DQB*06:02)*

* **NOTE! For the HLA test a signed Informed Consent form must be enclosed with the sample. Informed Consent form can be downloaded [here](#).**

4. Therapeutic Drug Monitoring (TDM)

The serum sample should be collected on the same day as the next planned drug dose but before drug administration (See General sample instructions for serum).

C_{min} is the minimal drug concentration at steady state and when the variations of drug levels in serum are the lowest.

Send sample by ordinary mail or on dry ice, please see the transport condition for each assay on the request form. **For international and/or long transportation**, cold packs are recommended for samples that could otherwise (within Sweden) be sent at "room temperature".

If you have urgent questions or need further information please contact us on phone +46 40 53 76 60 or email analysis.se@svarlifescience.com