

# Wieslab Request Form - Neurology

<b>SEND TO:</b> Wieslab AB P.O. Box 50117, SE-202 11 Malmö, Sweden	<b>CONTACT</b> <a href="mailto:diagnostic.services@svarlifescience.com">diagnostic.services@svarlifescience.com</a>	<b>T</b> +46 (0)40 - 53 76 60 <b>F</b> +46 (0)40 - 43 28 90
<b>REQUESTING DOCTOR/CLINIC</b> Postal address for test result report	<b>BILL TO / INVOICE ADDRESS</b> Only doctors, laboratories and hospital administration can be invoiced	<b>PATIENT DATA</b> Full name: Birth date, Identity number:
	<b>GENDER</b> Man      Woman      Other	
	<b>SAMPLING DATE</b>	
<b>REFERENCE NUMBER / COST CENTER</b>	<b>SAMPLING MATERIAL</b> Serum      CSF      EDTA-Plasma      EDTA-Whole blood	
<b>REQUESTING DOCTOR</b> Name: Email: Phone:	<b>SPECIMEN COLLECTION INFORMATION</b> <ul style="list-style-type: none"> <li>For autoantibody assays, blood should be collected in plain tubes (serum tubes) without additives.</li> <li>3 mL serum after centrifuging 7 mL blood (1300-1800g for 10 min) is enough for approx. 15 tests.</li> <li>Keep samples cold until transport. Transport samples at room temperature by ordinary mail or with cold packs if long transportation (&gt;24h).</li> <li>3 mL CSF should be collected and transported in polypropylene tubes; enough for approx. 10 tests.</li> <li>2,5 mL EDTA-whole blood is needed for HLA determination.</li> <li>0,5 mL CSF is needed for each biomarker (transport frozen).</li> <li>For more information about sampling please see: <a href="http://www.wieslab.com/diagnostic-services/sampling">www.wieslab.com/diagnostic-services/sampling</a></li> </ul>	
<b>Comments (Patient history etc.)</b>	The healthcare provider submitting the sample(s) with this request form hereby confirms that the patient (or the patient's guardian or trustee, if applicable) has been informed that the samples may be retained by Wieslab AB for a period of up to 5 years for the purpose of conducting further analyses in order to make a diagnosis, and that Wieslab AB intends to retain samples for a period of up to 5 years for the purpose of the Svar Life Science AB/Wieslab AB's future development of analysis methods and its business activities.  No, the patient does not give her/his consent to save the sample.  The patient is currently unable to give his or her consent in relation to retention of the sample(s).	

Select test panel, on suspicion of:

Individual tests on the reverse side →

**\*\*URGENT - Results within 24 hours (during laboratory hours)**

If the sample arrives no later than 10.00 on a weekday, the test is performed on the same day.

Telephone number for urgent reporting:

<b>AUTOIMMUNE ENCEPHALITIS</b>			
195	Antibodies against AMPAR1/2, CASPR2, DPPX, GABA B R, LGI1, NMDA receptor, VGKC. (Serum and CSF*)	<b>URGENT**</b>	(Results anti-VGKC will be sent later)
<b>Paraneoplastic syndrome and cerebellar ataxia</b>			
199	Antibodies against Amphiphysin, CV2/CRMP5, Hu, Ma, Ri, Yo, GAD, Recoverin, SOX1 Titin, Tr, Zic4. (Serum and CSF*)	<b>URGENT**</b>	
<b>Autoimmune encephalitis, paraneoplastic syndrome &amp; cerebellar ataxia</b>			
560	Antibodies against AMPAR1/2, CASPR2, DPPX, GABA B R, LGI1, NMDA receptor, VGKC, Amphiphysin, CV2/CRMP5, GAD, Hu, Ma, Recoverin, Ri, SOX1 Titin, Tr, Yo, Zic4. (Serum and CSF*)	<b>URGENT**</b>	(Results anti-VGKC will be sent later)
<b>Extended panel for neuronal antibodies</b>			
562	Antibodies against ANNA 3, CARP VIII, Glycine receptor, HOMER3, IgLON5, ITPR1, PCA 2, VGCC. (Serum and CSF*)		
<b>Hodgkin's lymphoma with paraneoplastic cerebellar ataxia or limbic encephalitis (Ofelia's syndrome)</b>			
574	Antibodies against MGlur1 and MGlur6. (Serum)		
<b>AUTOIMMUNE EPILEPSY</b>			
585	Antibodies against AMPAR1/2, CASPR2, GABA B R, LGI1, NMDA receptor, VGKC and GAD. (Serum and CSF*)		
<b>Extended test panel for Autoimmune Epilepsy</b>			
586	Antibodies against CV2/CRMP5, Hu, Ma, Glycine receptor, DPPX, Ganglionic Acetylcholine receptor and GFAP. (Serum and CSF*)		
<b>MULTIPLE SCLEROSIS</b>			
581	Antibodies against Aquaporin 4, MOG and biomarkers Neurofilament light (NFL) and CXCL13. (Serum and CSF* - 0,5 mL CSF is needed for each biomarker - to be sent frozen in separate polypropylene tubes.)		
	Neurofilament light protein (NFL) - Please choose sample material	Serum	CSF
<b>Follow-up of biomarkers in diagnosed Multiple Sclerosis patients</b>			
994-S	Neurofilament light protein (NFL) - Serum		
994-L	Neurofilament light protein (NFL) - CSF (0,5 mL - to be sent frozen in a separate polypropylene tube)		
<b>NMOSD, Neuromyelitis optica spectrum disorder</b>			
565	Antibodies against Aquaporin 4, MOG. (Serum and CSF*)	<b>URGENT**</b>	
<b>Supplementary analysis of biomarker for suspected NMOSD</b>			
549	Neurofilament light protein (NFL), Glial fibrillary acidic protein (GFAP). NFL can be analyzed in serum and CSF, GFAP is only analysed in CSF. The CSF sample should be sent frozen divided in 2 polypropylene tubes with a minimum of 0.5 mL in each tube.		
	Neurofilament light protein (NFL) - Please choose sample material	Serum	CSF
<b>ADEM, Acute Disseminated Encephalomyelitis</b>			
884	Antibodies against Aquaporin 4, MOG. (Serum and CSF*)		

**SLEEP DISORDERS**

**Narcolepsy**

558 Orexin/Hypocretin (CSF) and HLA-DQB1\*0602 (2,5 mL whole blood).  
*Note: Two different sample materials. A form for "Declaration of consent for human genetic analyses" needs to be signed and enclosed.*

**IgLON5 disease**

559 Antibodies against IgLON5 (serum or CSF) and HLA-DRB1\*10:01 and HLA DQB1\*05:01 (2,5 mL whole blood). *Note: Two different sample materials. A form for "Declaration of consent for human genetic analyses" needs to be signed and enclosed.*

**INFLAMMATORY NEUROPATHY**

**Guillain-Barré, Acute Demyelinating Polyneuropathy**

534 Antibodies against gangliosides (GM1, GM2, GD1a, GD1b, GQ1b IgG/IgM), MAG, Sulphatide IgM. (Serum and CSF\*) We recommend analysis in serum.

**CIDP, Chronic Inflammatory Demyelinating Polyneuropathy**

537 Antibodies against Contactin-1 (IgG) and Neurofascin-155 (IgG, IgM). (Serum) In case of a positive test result a determination of subclass (IgG4) will follow automatically.

**Inflammatory axonal sensory neuropathy**

047 Antibodies against FGFR3 (Fibroblast growth factor receptor 3). (Serum)

**NEUROMUSCULAR TRANSMISSION DISORDERS**

**Myasthenia gravis**

543 Antibodies against Acetylcholine (anti-AChR) and striated muscle. Positive anti-AChR is supplemented with anti-Titin. Negative anti-AChR is supplemented with anti-MuSK. (Serum)

**Lambert Eaton Myasthenic Syndrome (LEMS)**

563 Antibodies against Acetylcholine receptor, Amphiphysin, GAD, Hu, Ri, SOX 1, VGCC. (Serum and CSF\*)

**Stiff person syndrome**

568 Antibodies against Amphiphysin, GAD, Glycine receptor. (Serum and CSF\*)

**Alzheimers disease/Dementia**

567 Tau, Phospho-Tau, Beta-Amyloid 42 & Ratio Beta-Amyloid 42/40. (CSF) Send frozen sample divided into 3 polypropylene tubes with minimum 0.5 mL in each. For genetic testing see request form for Autoimmunity & Genetics

**CNS-Parenchymal damage markers**

566 Neurofilament light protein (NFL), Glial fibrillary acidic protein (GFAP), Tau (CSF) With Anoxic brain injury the sample must be taken 7 days after the injury occurred. NFL can also be analysed in serum.

**Progressive ALS (amyotrophic lateral sclerosis) biomarker**

580 Neurofilament heavy protein (p-NfH) & Neurofilament light protein (NFL). (CSF, 0,5 mL sent frozen). For genetic testing see request form for Autoimmunity & Genetics  
Neurofilament light protein (NFL) - Please choose sample material      Serum      CSF

**Neuroborrelios biomarker/chemokine**

988 CXCL13. (CSF, 0,5 mL sent frozen).

**Inflammatory Myopathy (Myositis)**

555 Antibodies against HMGCPR, cN-1A, Mi-2 $\alpha$ , Mi-2 $\beta$ , TIF1 $\gamma$ , MDA5, NXP2, SAE1, Ku, PM-Scl100, PM-Scl75, Jo-1, SRP, PL-7, PL-12, EJ, OJ och Ro-52. (Serum)

551 incl. ANA screen

\*Serum is recommended as a first hand approach. CSF may be used if serum test gives a negative result. Anti-NMDA receptor antibodies and anti Aquaporin 4 antibodies can in rare cases only be detected in CSF

## Mark for test

## AUTOANTIBODIES

## Autoimmune encephalitis/Paraneoplastic syndromes/Cerebellar ataxia

772	AMPA receptor 1 & 2
730	Amphiphysin
874	ANNA-3
854	CARP VIII
835	CASPR2
870	CV2/CRMP-5
851	DPPX
877	GABA-B-R
089	GAD (Glutamat dekarboxylas) - Serum (ELISA), CSF (IIF/Blot)
996	GfAp (IgG)
838	Glycine receptor (GlyR)
855	HOMER3
220	Hu (ANNA-1)
852	IgLON5
856	ITPR1
833	LGI-1
790	Ma (Ma-1, Ma-2/Ta)
117	MGLur1 (metabotropic glutamate receptor 1)
118	MGLur5 (metabotropic glutamate receptor 5)
875	NMDA receptor
761	Purkinje cells - PCA-2
760	Purkinje cells - Tr
740	Purkinje celler - Yo
750	Ri (Nova 1, ANNA-2)
737	SOX1 (anti-glia nuclear antibody)
965	Titin
845	Voltage-gated calcium channel (VGCC)
831	Voltage gated potassium channels (VGKC)
742	Zic4

## Myopathies (myositis)

020	ANA screen on HEp-2 celler
024	ANA specificities (formerly known as ENA)
141	cN-1A, Cytosolic 5'-nucleotidase 1A, (Mup44, NT5c1A)
485	HMGCR (HMG-CoA reductas)
481	KS (Asparaginyl-tRNA-Synthetase)
548	Myopathy (Myositis) screen (only analysed in serum) (Mi-2 $\alpha$ , Mi-2 $\beta$ , TIF1 $\gamma$ , MDA5, NXP2, SAE1, Ku, PM-Scl100, PM-Scl75, Jo-1, SRP, PL-7, PL-12, EJ, OJ, Ro-52)
715	PM/Scl (p100)
450	RNA polymeras

## Sleeping disorders

970 Trib2 (only analysed in serum)

(For Hypocretin/Orexin, please see Biomarkers, IgLON5 please see Autoantibodies and for HLA-testing please see Genetic tests)

## Inflammatory Neuropathies

836	CASPR1
601	Contactin-1 (IgG) (only analysed in serum) In case of a positive test result a determination of subclass (IgG4) will follow automatically.
617	IgG4- subclass determination of Contactin 1
047	FGFR3 (fibroblast growth factor receptor 3) (only analysed in serum)
546	Gangliosides (IgG+IgM): GM1, GM2, GD1a, GD1b och GQ1b
093	Myelin associated glycoprotein (MAG)
602	Neurofascin-155 (IgG, IgM) (only analysed in serum) In case of a positive test result a determination of subclass (IgG4) will follow automatically.
618	IgG4- subclass determination of Neurofascin 155
355	Sulphatide IgM

## MS, NMOSD and ADEM

873	Aquaporin 1 (only analysed in serum)
880	Aquaporin 4
884	Myelin oligodendrocyt glycoprotein (MOG)

(For NFL, CXCL13 and GfAp please see Biomarkers)

## Neuromuscular transmission disorders

079	Acetylcholine receptor (AChR) (only analysed in serum)
959	Ganglionic acetylcholine receptor (only analysed in serum)
958	Lrp4 (lipoprotein receptor-related protein-4) (only analysed in serum)
960	MuSK (only analysed in serum)
839	Ryanodine receptor (only analysed in serum)
085	Striated muscle (only analysed in serum)

(For Amphiphysin, VGCC, Titin, GAD, Hu, Ri, Sox-1 and Glycine receptor please see Autoantibodies)

## Paraneoplastic retinopathy syndromes (Panel 569)

837	alfa-Enolase (only analysed in serum)
736	Recoverin

## Contact us!

Are you looking for a collaborating partner for analyzes in clinical trials and/or projects?

Can't find the analysis or test you are looking for on the Request Form?

Send us an email [diagnostic.services@svarlifescience.com](mailto:diagnostic.services@svarlifescience.com)

## BIOMARKERS

Is only analysed in CSF. Samples should be shipped frozen aliquoted in polypropylene tubes with a minimum of 0.5 mL in each tube.

992	$\beta$ -Amyloid
988	CXCL13
993	Glial fibrillary acidic protein (GfAp)
989	Hypocretin/Orexin (not required to be frozen)
119	Neurofilament heavy protein (p-NfH)
994-S	Neurofilament light protein (NFL) - Serum
994-L	Neurofilament light protein (NFL) - CSF, sent frozen
991	Phospho-Tau
995	S-100 (CsV)
990	Tau

## GENETIC TESTS

291	HLA-DQB1*06:02 at suspicion of narcolepsy. (2.5 mL EDTA whole blood)
292	HLA-DRB1*10:01 at suspicion of IgLON5 disease. (2.5 mL EDTA whole blood)
293	HLA-DQB1*05:01 at suspicion of IgLON5 disease. (2.5 mL EDTA whole blood)

Note: A form for "Declaration of consent for human genetic analyses" needs to be signed and enclosed (see: [www.svarlifescience.com/services/request-form](http://www.svarlifescience.com/services/request-form)).Information about tests, sampling instructions as well as Terms and Conditions are available on [www.svarlifescience.com/services/wieslab-diagnostic-services](http://www.svarlifescience.com/services/wieslab-diagnostic-services)

The latest version of the request forms are always available for download on our website.

For tests related Autoimmune Diagnostics, Therapeutic Drug Monitoring and Autoimmunity &amp; Genetics please use respective request form.

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Autoimmune Diagnostics

Neurology

Monitoring of Biopharmaceuticals (TDM)

Autoimmunity &amp; Genetics

Overview of autoimmune neurology testing