

Genesis of Autoimmune Lab@NIMHANS

The facility was commissioned in August 2014 by the NIMHANS Administration as a novel initiative on a "Self Sustaining" mode in the Neuromuscular Lab. Its primary mission was to provide advanced tests at affordable rates critical for patient care. The initiative was highly successful fuelled by the passion and commitment of its technical staff. It has now become a "referral centre" for the entire country recognised for its precision diagnostics and rapid turnaround time. In recognition of its service in patient care, it has now been conferred status as an independent diagnostic facility – "Autoimmune Laboratory" from Jan 14th 2020

Vision

VISION: To offer the highest level of advanced diagnostic tests for Autoimmune neurological disorders and serve as a National Referral Centre.

Mission

To be a National Centre of Excellence for diagnosis and research in the field of Autoimmune disorders.

Objective

1. To provide comprehensive diagnosis of autoimmune neurologic disorders by making available advanced diagnostic tests at affordable rates for patients that will impact treatment
2. Undertake cutting-edge research in neurologic autoimmune disorders to unravel pathomechanisms of diseases of relevance to Indian ethnic groups, discover novel diagnostic, predictive and prognostic biomarkers of translational value to reduce mortality and morbidity.
3. Facilitate training and manpower development, for expanding the pool of trained professionals with expertise in field of autoimmune disorders
4. Develop Database of Autoimmune Disorders and a Bio Repository to promote research to evolve new strategies of management and policy planning.

What we do Services

Panel of diagnostic tests are offered for diagnosis of autoimmune disorders

1. ANA,
2. ANCA
3. NMO-MOG Panel
4. Autoimmune encephalitis Panel
5. Paraneoplastic autoantibodies Panel
6. Ganglioside antibodies Panel
7. Myositis Panel 4G
8. DPPX & IgLON5 (New Addition),

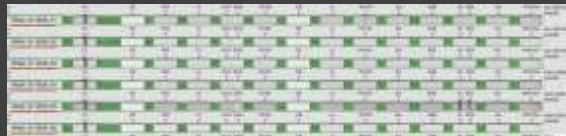
IMMUNOBLOT METHOD

❖ Antinuclear Antibodies Profile (ANA)

METHOD: IMMUNOBLOT method for autoantibodies of IgG class.

ANTIBODIES TESTED: Mi-2, Ku, nRNP/Sm, Sm, SS-A, Ro-52, SS-B, Scl-70, PM-Scl 100, Jo-1, CENP B, PCNA, dsDNA, Nucleosomes, Histones, Ribosomal P-Protein & AMA-M2

SAMPLE: Serum/plasma [2ml blood in red/yellow cap vacutainer]



❖ Myositis Profile 4g

METHOD: IMMUNOBLOT method for autoantibodies of IgG class.

ANTIBODIES TESTED: Mi-2 α , Mi-2 β , TIF1 γ , MDA5, NXP2, SAE1, Ku, PM-Scl100, PM-Scl75, Jo-1, SRP, PL-7, PL-12, EJ, OJ and Ro-52.

SAMPLE: Serum/plasma [2ml blood in red/yellow cap vacutainer]



❖ Ganglioside Profile

METHOD: IMMUNOBLOT method for Auto antibodies of IgG & IgM.

ANTIBODIES TESTED: GM1, GM2, GM3, GD1a, GD1b, GT1b, GQ1b

SAMPLE: Serum/plasma [2ml blood in red/yellow cap vacutainer]



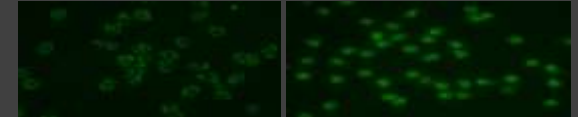
INDIRECT IMMUNOFLUORESCENCE

❖ Anti-Neutrophilic Cytoplasm Antibody (ANCA)

METHOD: Indirect immunofluorescence (IIFT)

ANTIBODY TESTED: cANCA & pANCA

SAMPLE: Serum/plasma [2ml blood in red/yellow cap vacutainer]

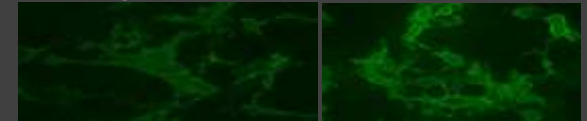


❖ NMOSD-MOG Panel

METHOD: Indirect immunofluorescence (IIFT)

ANTIBODY TESTED: AQUAPORIN-4 (AQP-4)

SAMPLE: Serum/plasma [2ml blood in red/yellow cap vacutainer], CSF

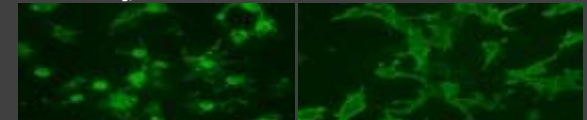


❖ Autoimmune Encephalitis

METHOD: Indirect immunofluorescence (IIFT)

ANTIBODIES TESTED: NMDA, AMPA1, AMPA2, CASPR2, LGI 1, GABA.

SAMPLE: Serum/plasma [2ml blood in red/yellow cap vacutainer], CSF



❖ Paraneoplastic Anti Neuronal Antibodies

METHOD: Immunoblot method & positive confirmation by Immunofluorescence method.

ANTIBODIES TESTED: Anti-Hu, Anti-Ri, Anti-Yo, Anti-CV2, Anti-PNMA2, Anti-amphiphysin, Anti-SOX1, Anti-Tr, Anti-recoverin, Anti-Titin, Anti-GAD, Anti Zic4.

SAMPLE: Serum/plasma [2ml blood in red/yellow cap vacutainer]





Location
Autoimmune Laboratory
Room No 003, Ground Floor,
Neurobiology Research Center,
Opp. NIMHANS Library,
NIMHANS, Hosur Road,
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INVESTIGATIONS	CHARGES	
	Govt Hospitals (Rs)	Private Hospitals (Rs)
ANA profile (immunoblot)	1800	2700
ANCA (pANCA/cANCA)	800	1200
NMOSD (Aquaporin 4 & MOG) DPPX	2000	3000
Autoimmune Encephalitis mosaic (NMDA & VGKC)	5300	8000
Paraneoplastic Neuronal Antibodies	4000	6000
Myositis Profile	6000	9000
Anti-ganglioside IgG profile	2000	3000
Anti-ganglioside IgM profile	2000	3000
Note: Charges are subject to revision in accordance with Hospital administration		

Samples will be preserved for upto 2 weeks after testing and then discarded. Any requests for review/ retesting should be made within 1 week.

Instructions for sample submission

Samples should reach between 9.00am-4.30pm on working days (Lab closed on second Saturdays, Sundays, Govt holidays)

1. Send 2 ml blood in red/ yellow cap vacutainer; CSF 2ml in tight screw cap, leak proof vial. Charges double if both CSF and serum require testing
 2. Samples from BANGALORE – send to REGISTRATION DESK, GROUND FLOOR, ADMINISTRATIVE BLOCK
 3. Samples from outstation can be sent by courier (well sealed vacutainers) with triple packaging.
 - Blood/serum samples can be sent at room temperature. CSF should be sent with ice packs.
 - Sample should reach within 24-48 hrs of collection.
 - Samples must be accompanied by request form completely filled Doctor's contact number and email id
 4. Payment mode: DD in name of Director, NIMHANS payable at Bangalore
 BANK Transfer
 Account Holder's Name:- The Director, NIMHANS,
 Account Name:- NIMHANS Revenue Account, Bank name:- State Bank of India, NIMHANS Branch Bank Address:- NIMHANS Branch, Hosur Road, Bangalore 560 029 Branch Code:- 40675, SB A/c No:- 64063643613, IFSC Code:- SBIN 004 0675 MICR Code:- 56000610
4. Please provide e-mail id and contact number. Reports will be sent ONLY by e-mail.

AUTOIMMUNE LABORATORY

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 Bangalore-560029



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