

A-Z of clinical conditions and immunological tests

In this section

Here is an A-Z list of clinical conditions covered by Greater Manchester Immunology Service, together with the relevant immunological tests for each condition.

A

- Acute leukaemia – Acute Leukaemia panel (<https://mft.nhs.uk/app/uploads/2022/03/Acute-Leukaemia-panel.pdf>) CD2, CD10, CD13, CD14, CD19, CD33, CD34, CD79a, CD117, TdT and MPO
- Adrenal failure – Adrenal antibody (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#adrenal>), Ovary antibodies (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#ovary>), Testis antibodies (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#testis>)
- Anaphylactoid reactions to drugs, etc – Refer patients to the combined Immunology/Anaesthetic clinic
- Anaphylaxis – IgE (Total) (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#ige>), Mast Cell Tryptase (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#mast>)
- Angioedema (Hereditary) – C1 esterase inhibitor (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#c1>), C1 esterase inhibitor functional test (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#c1ft>)
- Asthma – IgE (Total) (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#ige>), Allergen specific IgE (ImmunoCAP) (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#allergen>)
- Atopic Eczema – IgE (Total) (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#ige>), Allergen specific IgE (ImmunoCAP) (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#allergen>)

B

- B cell enumeration – Immunodeficiency (T&B Lymphocyte Subsets) (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#tb>)
- Bernard-Soulier Syndrome – Platelet glycoprotein expression
- Bird Fancier's Disease – Avian precipitins (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#avian>)
- Bronchopulmonary Aspergillosis – Aspergillus fumigatus precipitins (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#aspergillus>)

C

- C1 esterase inhibitor deficiency (acquired) – C1 esterase inhibitor (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#c1>), C1q (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#c1q>), Complement C3 (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#complementc3>), Complement C4 (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#complementc4>)
- Chronic lymphocytic malignancies/lymphoma – Chronic lymphocytic/lymphoma panel (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#chronic>): CD3, CD5, CD19, CD23, CD79b, Kappa chains, Lambda chains, FMC7, CD38
- Coeliac Disease – Coeliac Disease Antibodies (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#coeliac>)
- Conjunctivitis – Allergen specific IgE (ImmunoCAP) (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#allergen>)
- Cryoglobulinaemia (mixed) – Cryoglobulins (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#cryoglobulins>)

D

- Dermatitis herpetiformis – Coeliac Disease Antibodies (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#coeliac>).
- Dressler's syndrome – Cardiac muscle antibodies (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#cardiac>).

F

- Farmer's Lung – Farmer's lung precipitins (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#farmer>). (Micropolysporium faeni and T vulgaris)

G

- Glanzmann's thrombasthenia – Platelet glycoprotein expression
- Gonadal Failure – Ovary antibodies (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#ovary>), Testis antibodies (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#testis>), Adrenal antibody (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#adrenal>).
- Goodpasture's syndrome – Glomerular basement membrane antibodies (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#glomerular>).

H

- Hereditary Spherocytosis (HS) – EMA Binding Assay (HS Screen) (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#ema>).

I

- IgA nephropathies – Raised Immunoglobulins (IgG, IgA, IgM) (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#immunoglobulins>).
- Immunodeficiency (Primary) – Immunodeficiency (T&B Lymphocyte Subsets) (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#tb>).
- Immunodeficiency (Secondary), HIV – Immunoglobulins (IgG, IgA, IgM) (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#immunoglobulins>), electrophoresis; CD4 count (T cell count) (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#cd4>) for patients with known HIV serology

L

- Lymphoproliferative disorders – Immunophenotyping for lymphoid (Chronic lymphocytic/lymphoma panel (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#chronic>)) and myeloid malignancies (Acute Leukaemia panel (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#acute>)) (full clinical information required)
- Liver autoimmunity – Smooth muscle mitochondrial antibodies (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#smooth>); Liver kidney microsomal (LKM), Immunoglobulins (IgG, IgA, IgM) (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#immunoglobulins>).
- Lymphoid/myeloid malignancies – Cell surface markers appropriate to diagnostic information provided

M

- Mixed connective tissue disease – ENA antibodies (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#ena>), particularly RNP Ab to ENA including Sm, Sm/RNP, RNP(RNP A, RNP68), Ro(SS-A52 SSA60), La(SS-B), Ribo P, Scl-70, Jo-1 and Chromatin
- Motor neuropathy – Ganglioside Antibodies GM1 (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#gm1>).
- Myasthenia gravis – Acetyl Choline Receptor Antibodies (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#acetyl>).

N

- Necrotising crescentic glomerulonephritis – Myeloperoxidase (MPO) antibodies (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#mpo>). (p-ANCA)
- Nephrotic syndrome – Immunoglobulins (IgG, IgA, IgM) (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#immunoglobulins>).

P

- Paraproteinaemia, Myeloma – Immunoglobulins (IgG, IgA, IgM) (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#immunoglobulins>) (including immunofixation), Free Light Chains (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#free>), Bence Jones protein (Urinary light chains) Urine immunofixation (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#bence>): β2 Microglobulin (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#microglobulin>)
- Pemphigus/Pemphigoid – Skin antibodies (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#skin>), Immunohistology
- Polyendocrine Autoimmunity – Adrenal antibody (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#adrenal>), Ovary antibodies (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#ovary>), Testis antibodies (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#testis>), Islet Cell Antibodies (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#islet>), Ab to gastric parietal cells. Additional: Antinuclear antibody (ANA), includes anticentromere (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#ana>), Smooth muscle mitochondrial antibodies (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#smooth>), Acetyl Choline Receptor Antibodies (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/acetyl>) (if indicated)
- Polymyositis/Dermatomyositis – Antinuclear antibody (ANA), includes anticentromere (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#ana>), antibodies to Jo-1 ENA (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#ena>) includes: Sm, Sm/RNP, RNP(RNP A, RNP68), Ro(SS-A52 SSA60), La(SS-B), Ribo P, Scl-70, Jo-1 and Chromatin
- Primary anti-phospholipid antibody syndrome – Anti-phospholipid antibodies, Cardiolipin (IgG and IgM) antibodies (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#cardiolipin>)

R

- Recurrent foetal loss – Ab to phospholipids, Cardiolipin (IgG and IgM) antibodies (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#cardiolipin>).
- Rhinitis – IgE (Total) (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#ige>), Allergen specific IgE (ImmunoCAP) (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#allergen>).

S

- Scleroderma/systemic sclerosis – Antinuclear antibody (ANA), includes anticentromere (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#ana>) (CREST). Antibodies to Scl-70. ENA (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#ena>) includes: Sm, Sm/RNP, RNP(RNP A, RNP68), Ro(SS-A52 SS-A60), La(SS-B), Ribo P, Scl-70, Jo-1 and Chromatin
- Sjögren's syndrome – Antinuclear antibody (ANA), includes anticentromere (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#ana>), antibodies to extractable nuclear antigens (ENA (<https://mft.nhs.uk/app/uploads/2018/10/ENA-antibodies.pdf>)) includes Ro, La
- SLE – Antinuclear antibody (ANA), includes anticentromere (<https://mft.nhs.uk/app/uploads/2018/10/Antinuclear-antibody-ANA-includes-anticentromere.pdf>) (includes anticentromere), Double stranded DNA antibodies (IgG) (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#double>), Ab to ENA (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#ena>) includes: Sm, Sm/RNP, RNP(RNP A, RNP68), Ro(SS-A52 SSA60), La(SS-B), Ribo P, Scl-70, Jo-1 and Chromatin Other indicators include: Raised IgG Immunoglobulins (IgG, IgA, IgM) (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#immunoglobulins>), electrophoresis, Low Complement C3 (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#complementc3>), Complement C4 (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#complementc4>).
- Systemic Autoimmune Disease – Antinuclear antibody (ANA), includes anticentromere (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#ana>) (includes anticentromere), Rheumatoid factor (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#rheumatoid>), Immunoglobulins (IgG, IgA, IgM) (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#immunoglobulins>).

T

- TB (latent) – Gamma Interferon (Quantiferon) (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#gamma>).
- Thyroid Disease – Thyroid peroxidase (TPO) antibodies (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#tpo>).

U

- Urticaria (Acute) – IgE (Total) (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#ige>), Allergen specific IgE (ImmunoCAP) (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#allergen>)

V

- Vasculitis (Primary systemic) – Wegener's, Churg-Strauss, Microscopic polyarteritis, Henoch-Schönlein Purpura, Kawasaki's Syndrome – Antinuclear antibody (ANA), includes anticentromere (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#ana>) (includes anticentromere), Myeloperoxidase (MPO) antibodies (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#mpo>) (p-ANCA), PR3 autoantibodies (cANCA) (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#pr3>), Immunoglobulins (IgG, IgA, IgM) (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#immunoglobulins>) electrophoresis, IgE (Total) (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#ige>), CRP (Biochemistry)
- Vasculitis (small vessel hypersensitivity) – Antinuclear antibody (ANA), includes anticentromere (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#ana>), Rheumatoid factor (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#rheumatoid>), Complement C3 (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#complementc3>), Complement C4 (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#complementc4>), Cryoglobulins (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#cryoglobulins>), Immunoglobulins (IgG, IgA, IgM) (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#immunoglobulins>), electrophoresis, Anti-neutrophil cytoplasmic antibody (ANCA) (<https://mft.nhs.uk/the-trust/other-departments/laboratory-medicine/immunology/a-z-of-immunology-tests/#anca>)

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