

Patient ID 321	Patient Name IMPLEMENTATION, TEST T	Birth Date 1973-05-01	Sex F	Age 51
Order Number X100495254	Client Order Number X100495254	Ordering Physician TESTING	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 31 Mar 2025 18:30		

Cutaneous Immflur. Ab, IgG/IgG4, S

Basement Membrane IgG


Positive
MCR
Reference Value
Negative

Primate Split Skin IgG


Positive; Epidermal pattern present
MCR
Reference Value
Negative

Basement Membrane IgG4


Positive
MCR
Reference Value
Negative

Primate Split Skin IgG4


Positive; Epidermal pattern present
MCR
Reference Value
Negative

Cell Surface Ab IgG

Negative
MCR
Reference Value
Negative

Cell Surface Ab IgG4

Negative
MCR
Reference Value
Negative

Other

1 MCR

See Comment

The observation of basement membrane zone deposition with IgG and/or IgG4 detected with cutaneous immunofluorescence on esophageal substrate and the epidermal side of the artefactual blister implies the presence of autoantibodies directed against antigens located anatomically above the lamina lucida, as may be seen in bullous/non-bullous pemphigoid and some forms of mucous membrane pemphigoid. This association has not been specifically validated with IgG4. Other tests including (a) lesional skin or mucous membrane biopsy for histopathological evaluation on sections from formalin-fixed, paraffin-embedded tissue; (b) perilesional skin or mucous membrane biopsy for cutaneous immunofluorescence testing (test code CIB); and (c) serum testing for bullous pemphigoid BP180 and BP230 (test code BPAB) antibodies by ELISA technique are recommended.

Received: 31 Mar 2025 18:32

Reported: 31 Mar 2025 13:35

Performing Site Legend

Code	Laboratory	Address	Lab Director	CLIA Certificate
MCR	Mayo Clinic Laboratories - Rochester Main Campus	200 First Street SW, Rochester, MN 55905	Nikola Baumann Ph.D.	24D0404292

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CIFS Titer, IgG, S

Basement Membrane Titer, IgG



BMZ Positive Titer $\geq 1:320$

MCR
Reference Value
Negative

Other

See Comment

The presence of serum basement membrane zone IgG antibodies detected by cutaneous immunofluorescence testing on primate esophagus substrate supports a diagnosis of an IgG-mediated subepithelial autoimmune mucocutaneous blistering disorder. Results should be correlated with the clinical presentation, histopathological findings, findings on direct immunofluorescence (test code CIB), serum testing for bullous pemphigoid BP180 and BP230 antibodies (test code BPAB) by ELISA technique, and rare subepithelial blistering variant antibodies (test code RSBV) by indirect immunofluorescence, as clinically indicated.

1 MCR

Cell Surface Ab Titer, IgG

Negative

MCR
Reference Value
Negative

Received: 31 Mar 2025 18:32

Reported: 31 Mar 2025 13:36

Laboratory Notes

- 1** This test was developed and its performance characteristics determined by Mayo Clinic in a manner consistent with CLIA requirements. This test has not been cleared or approved by the U.S. Food and Drug Administration.

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