

500 Chipeta Way, Salt Lake City, Utah 84108-1221

phone: 801-583-2787, toll free: 800-522-2787

Jonathan R. Genzen, MD, PhD, Chief Medical Officer

Patient Age/Sex: 53 years Female

Specimen Collected: 30-May-23 13:47**Paraneoplastic Pemphigus Expanded Ab** | Received: 30-May-23 13:57 | Report/Verified: 30-May-23 14:26

Procedure	Result	Units	Reference Interval
Paraneoplastic Pemphigus Expanded Ab	See Note ^{f1}		

Paraneoplastic Pemphigus Expanded Ab | Received: 30-May-23 13:54 | Report/Verified: 30-May-23 14:35

Procedure	Result	Units	Reference Interval
EER Paraneoplastic Pemphigus Expanded Ab	See Note ^{f2}		

Result Footnote

f1: Paraneoplastic Pemphigus Expanded Ab
 CLINICAL INFORMATION
 No clinical information provided.
 Specimen Details
 S23-IP0000277 - Serum; Collected: 5/30/2023; Received: 5/30/2023

DIAGNOSTIC INTERPRETATION

Negative
 (See Results and Comments)

RESULTS

Indirect Immunofluorescence (IIF)

Paraneoplastic Pemphigus IgG Antibodies

Reference Range:

Negative - Titer less than 1:5
 Borderline - Titer 1:5
 Positive (H) - Titer greater than 1:5

Reference Range:

Negative - Titer less than 1:10
 Borderline - Titer 1:10
 Positive (H) - Titer greater than 1:10
 (H) = high/positive

Enzyme-Linked Immunosorbent Assay (ELISA)

Envoplakin IgG Antibodies

IgG envoplakin antibody level: 0 ratio U/mL

Reference Range:

Normal (negative) = Less than 1.0 ratio U/mL
 Increased (H) (positive) = 1.0 ratio U/mL and greater
 (H) = high/positive

U = antibody level in ELISA units

COMMENTS

Specific
 Testing

General

Negative Paraneoplastic Pemphigus Antibody Screen testing results do not rule out paraneoplastic/malignancy-associated disease. Positive Paraneoplastic Pemphigus Antibody Screen testing

*=Abnormal, #=Corrected, C=Critical, f=Result Footnote, H-High, i-Test Information, L-Low, t-Interpretive Text, @=Performing lab

Unless otherwise indicated, testing performed at:**ARUP Laboratories**

500 Chipeta Way, Salt Lake City, UT 84108

Laboratory Director: Jonathan R. Genzen, MD, PhD

ARUP Accession: 23-150-900079**Report Request ID:** 17765901**Printed:** 23-Jun-23 07:48

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Result Footnote

f1: Paraneoplastic Pemphigus Expanded Ab results indicate the presence of serum antibodies to multiple epithelia (simple, columnar, transitional) and against envoplakin; periplakin; desmoglein 1, 3; desmoplakin 1, 2; epiplakin; plectin; alpha-2-macroglobulin-like-1 (A2ML1); laminin-332; and/or BP 230 and BP 180. For positive antibody screen testing results without known malignancy, perform aggressive evaluation for malignancy. For negative results, correlate with histopathological examination of formalin-fixed tissue in addition to direct immunofluorescence on a perilesional biopsy specimen and epithelial antibodies in serum characteristic of other immunobullous diseases.

Positive Paraneoplastic Pemphigus Antibody Screen testing results by IIF indicate the presence of serum antibodies to multiple epithelia (simple, columnar, transitional) with several possible epithelial targets, predominantly to plakins (envoplakin, periplakin, desmoplakin I, desmoplakin II, epiplakin, plectin, BP230), also cadherins (desmoglein 1, desmoglein 3; desmocollin 1, desmocollin 2, desmocollin 3), alpha-2-macroglobulin-like-1 (A2ML1), laminin-332, and/or BP180, and support a diagnosis of paraneoplastic pemphigus (paraneoplastic autoimmune multiorgan syndrome). For positive antibody screen testing results without known malignancy, perform aggressive evaluation for malignancy.

TESTING METHODS

testing

Electronically signed by Marjorie Allen, on 05/30/23 at 2:24 PM.

Performed At: IMMUNODERMATOLOGY LABORATORY

417 S. WAKARA WAY, SUITE 2151

SALT LAKE CITY, UT 84108

Medical Director: KRISTIN M. LEIFERMAN, MD

CLIA Number: 46D0681916

f2: EER Paraneoplastic Pemphigus Expanded Ab
 Authorized individuals can access the ARUP
 Enhanced Report using the following link:



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