

Client: Example Client ABC123  
123 Test Drive  
Salt Lake City, UT 84108  
UNITED STATES

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 7/20/1979  
**Gender:** Female  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 00/00/0000 00:00

**Herpes Gestationis Factor (Complement-Fixing Basement Membrane Zone Antibody IgG)**

ARUP test code 0092283

Herpes Gestationis Factor Ab IgG

See Note  
IMMUNODERMATOLOGY REPORT

Specimen(s):  
1. Serum specimen

Clinical/Diagnostic Information:  
No clinical information provided.

DIAGNOSTIC INTERPRETATION

Consistent with pemphigoid (herpes) gestationis; positive herpes gestationis factor

(See Results and Comments)

RESULTS  
Indirect Immunofluorescence

Herpes (pemphigoid) gestationis factor (complement-fixing IgG antibodies)

Positive, epidermal pattern, titer 1:8 (H), human split skin substrate with complement

Negative, human split skin substrate without complement

Reference Range:  
Positive - Titer greater than or equal to 1:4  
Borderline - Titer equal to 1:2  
Negative - Titer less than 1:2

Basement Membrane Zone (BMZ) IgG Antibodies

IgG: Positive, epidermal pattern, titer 1:160 (H), human split skin substrate

Reference Range:  
Positive (H) - Titer greater than 1:10  
Borderline - Titer 1:10  
Negative - Titer less than 1:10

Pattern on Human BMZ Split Skin:  
IgG epidermal or epidermal-dermal combined BMZ antibody pattern = pemphigoid

IgG dermal BMZ antibody pattern = epidermolysis

**H=High, L=Low, \*=Abnormal, C=Critical**

bullosa acquisita

(H = high/positive)

Enzyme Linked Immunosorbent Assay (ELISA)

Bullous Pemphigoid (BP) 180 IgG Antibody

IgG BP 180 antibodies: 63 units (H)

Reference Range:

Positive (H) = Greater than or equal to 9 units

Negative = Less than 9 units

(H = high/increased)

COMMENTS

Specific

The positive complement fixing basement membrane zone antibodies in this patient's serum (so-called herpes gestationis factor) with an increased IgG BP 180 antibody level support the diagnosis of pemphigoid (herpes) gestationis. Approximately 25 percent of patients with pemphigoid gestationis have IgG basement membrane zone antibodies as observed in this patient's serum. This pattern of immunological reactivity can be observed in other types of pemphigoid; therefore, clinical correlation is needed. IgG BP 180 antibodies correlate with disease activity in bullous pemphigoid but may remain increased in patients with pemphigoid gestationis even with disease remission/resolution; recommend consideration for monitoring antibody profiles and levels over time.

If it would be helpful to discuss this patient's case with the findings in this report, contact ARUP Client Services at 1-800-242-2787 option 2 and ask to speak with the Immunodermatology Laboratory at the University of Utah regarding patient results.

General

Basement membrane zone antibodies without added complement are detected in up to 25 percent of patients with pemphigoid gestationis and with added complement in more than 90 percent. IgG BP 180 antibody levels by ELISA are increased in most patients with pemphigoid gestationis.

TESTING METHODS

Indirect Immunofluorescence

Herpes (pemphigoid) gestationis factor (complement-fixing IgG antibodies)

Testing for herpes gestationis factor (HGF) was performed on progressive two-fold dilutions of patients serum, layered on sections of human split skin substrate both with and without a fresh source of complement, and stained with fluorescein-conjugated anti-C3 and anti-IgG using Analyte Specific Reagents (ASRs). These tests were developed and their performance characteristics determined by the Immunodermatology Laboratory at the University of Utah. They have not been cleared or approved by the U.S. Food and Drug Administration. ASRs are used in many laboratory tests necessary for standard medical care and generally do not require FDA approval. These tests should not be regarded as investigational or for research only. [Immunofluorescence studies, two antibodies on one substrate with and without complement with two limiting dilution end-point titers]

Enzyme Linked Immunosorbent Assay (ELISA)

BP 180 IgG serum antibody levels determined by U.S. Food and

H=High, L=Low, \*=Abnormal, C=Critical

Drug Administration-approved ELISAs (Mesacup, MBL International). [One ELISA]

Kristin M Leiferman, MD  
Immunodermatologist  
Electronically signed 11/29/2018 9:18:31PM  
Performed at: ARUP - University Hospital Laboratory 50 N. Medical Drive Salt Lake City UT 84132

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Herpes Gestationis Factor Ab IgG	18-331-401247	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00

END OF CHART

H=High, L=Low, \*=Abnormal, C=Critical