MAYO CLINIC LABORATORIES

NEW TEST

Notification Date: April 14, 2023
Effective Date: Immediately

Horse Dander, IgE with Reflex to Horse Dander Component, IgE, Serum

Test ID: HRSPF

Useful for:
Evaluating patients with suspected horse dander allergy.

Reflex Tests:

Test ID	Reporting Name	Available Separately	Always Performed
HRSPR	Horse Dander Component, IgE, S	No	No

Methods:
Fluorescent Enzyme Immunoassay (FEIA)

Reference Values:
Testing begins with analysis of total horse dander IgE. If horse dander total IgE is negative (<0.10 kU/L), testing is complete.

If horse dander total IgE is 0.10 kU/L or more, then horse dander component (Equ c 1) testing is performed at an additional charge.

Class	IgE kU/L	Interpretation
0	<0.10	Negative
0/1	0.10-0.34	Borderline/equivocal
1	0.35-0.69	Equivocal
2	0.70-3.49	Positive
3	3.50-17.4	Positive
4	17.5-49.9	Strongly positive
5	50.0-99.9	Strongly positive
6	> or =100	Strongly positive

Concentrations of 0.70 kU/L or more (class 2 and above) will flag as abnormally high.
Reference values apply to all ages.

Specimen Requirements:

Collection Container/Tube:	
Preferred:	Serum Gel
Acceptable:	Red top
Specimen Volume:	1 mL
Collection Instructions:	Centrifuge and aliquot serum into a plastic vial.
Minimum Volume:	0.6 mL
Submission Container/Tube:	Plastic vial

Specimen Stability Information:

Specimen Type	Temperature	Time
Serum	Refrigerated (preferred)	14 days
	Frozen	90 days

Cautions:

Clinical correlation of results from in vitro IgE testing with a patient history of allergic or anaphylactic responses to horse dander is recommended.
-Negative results for IgE to total horse dander and any horse dander components do not completely exclude the possibility of clinically relevant allergic responses upon exposure to horse dander.
-Positive results for IgE to total horse dander or any potential horse dander allergenic components are not diagnostic for horse dander allergy and only indicate that the patient may be sensitized to horse dander or a cross-reactive allergen.

Testing for IgE antibodies may not be useful in patients previously treated with immunotherapy to determine if residual clinical sensitivity exists or in patients whose medical management does not depend upon identification of allergen specificity.

False-positive results for IgE antibodies may occur in patients with markedly elevated serum IgE (>2500 kU/L) due to nonspecific binding to allergen solid phases.

CPT Code:

86003

Day(s) Performed: Monday through Friday **Report Available:** 1 to 3 days

Questions

Contact Bethany Feind, Laboratory Resource Coordinator at 800-533-1710.