MAYO
Mayo Medical Laboratories
1-800-533-1710

NEW TEST ANNOUNCEMENT
NOTIFICATION DATE: February 24, 2014
EFFECTIVE DATE: March 3, 2014

RESPIRATORY PROFILE, REGION 10, SOUTHWESTERN GRASSLANDS (OK, TX)

Test ID: RPR10

PROFILE INFORMATION:

Test ID	Reporting Name	Available Separately	Always Performed
DP	House Dust Mites/D.P., IgE	Yes	Yes
DF	House Dust Mites/D.F., IgE	Yes	Yes
CAT	Cat Epithelium, IgE	Yes	Yes
DOGD	Dog Dander, IgE	Yes	Yes
BERG	Bermuda Grass, IgE	Yes	Yes
TIMG	Timothy Grass, IgE	Yes	Yes
COCR	Cockroach, IgE	Yes	Yes
PENL	Penicillium, IgE	Yes	Yes
CLAD	Cladosporium, IgE	Yes	Yes
ASP	Aspergillus Fumigatus, IgE	Yes	Yes
ALTN	Alternaria Tenuis, IgE	Yes	Yes
BXMPL	Box Elder/Maple, S, IgE	Yes	Yes
BIR	Silver Birch, IgE	Yes	Yes
CED	Mountain Cedar, IgE	Yes	Yes
OAK	Oak, IgE	Yes	Yes
ELM	Elm, IgE	Yes	Yes
CTWD	Cottonwood, IgE	Yes	Yes
ASHW	White Ash, IgE	Yes	Yes
PCANH	Pecan/Hickory, IgE	Yes	Yes
MULB	Mulberry, IgE	Yes	Yes
SRW	Short Ragweed, IgE	Yes	Yes
RRRP	Rough Pigweed, IgE	Yes	Yes
MARS	Rough Marsh Elder, IgE	Yes	Yes
SORR	Red Sorrel, IgE	Yes	Yes
NETT	Nettle, IgE	Yes	Yes
IGE	Immunoglobulin E (IgE), S	Yes	Yes

USEFUL FOR:

- Specific IgE:
  - Testing for IgE antibodies may be useful to establish the diagnosis of an allergic disease and to define the allergens responsible for eliciting signs and symptoms.
  - Assessing sensitization to respiratory allergens commonly found in the Southwestern Grasslands region, including Oklahoma, and Texas.
- Total IgE:
  - As an initial (screening) test for allergic disease

METHODOLOGY: Fluorescence Enzyme Immunoassay (FEIA)

REFERENCE VALUES:

Specific IgE:

Class	IgE kU/L	Interpretation
0	<0.35	Negative
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

Reference values apply to all ages.

Total IgE:

Results Reported in kU/L			
Age	**Mean**	**+1SD**	**+2SD**
0-6 weeks	0.6	2.3	8.8
7 weeks-3 months	1.0	4.1	17.0
4-6 months	1.8	7.3	30.0
7-9 months	2.6	10.0	39.0
10-23 months	3.2	13.0	53.0
2 years	5.7	23.0	93.0
3 years	8.0	32.0	128.0
4 years	10.0	40.0	160.0
5 years	12.0	48.0	192.0
6 years	14.0	56.0	224.0
7 years	16.0	63.0	248.0
8 years	18.0	71.0	280.0
9 years	20.0	78.0	304.0
10 years	22.0	85.0	328.0
Adults	13.2	41.0	127.0

SPECIMEN REQUIREMENTS:

Collection Container/Tube:

Preferred: Red top

Acceptable: Serum gel

Submission Container/Tube: Plastic screw topped tube

Specimen Volume: 1.6 mL

SPECIMEN STABILITY INFORMATION:

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

CAUTIONS:

- Specific IgE:
  - Testing for IgE antibodies is not useful in patients previously treated with immunotherapy to determine if residual clinical sensitivity exists, or in patients in whom the medical management does not depend upon identification of allergen specificity.

- Some individuals with clinically insignificant sensitivity to allergens may have measurable levels of IgE antibodies in serum, and results must be interpreted in the clinical context.
- 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.

- Total IGE:
  - The probability of finding an increased level of IgE in serum in a patient with allergic disease varies directly with the number of different allergens to which the patient is sensitized.
  - A normal level of IgE in serum does not eliminate the possibility of allergic disease.
  - Normal levels of IgE in serum occur in some patients with allergic disease, especially if there is sensitivity to a limited number of allergens and limited end organ involvement.

CPT CODE: 82785
86003 x 25

DAY(S) SET UP: Monday through Friday; 9 AM- 8PM, Saturday; 8 AM- 3 PM

ANALYTIC TIME: Same day/ 1 day

QUESTIONS: Contact your Mayo Medical Laboratories' Regional Manager or
Greg Renkly, MML Laboratory Technologist Resource Coordinator
Telephone: 800-533-1710