

PATIENT INFORMATION

Sample Patient
DOB: 00/00/0000
REQUISITION ID: 000000

PROVIDER INFORMATION

Sample Provider
Street Address
City, State 00000

Tick Bite Induced Allergy

SPECIMEN TYPE: Serum

COLLECTION DATE: 00/00/0000

REPORT DATE: 00/00/0000

ALLERGEN (IgE)	SCORE	CLASS
alpha-Gal (IgE)	<0.10	0
Beef	<0.10	0
Cheese, Cheddar	<0.10	0
Gelatin bovine	<0.10	0
Lamb	<0.10	0
Milk (Cow's)	0.28	0/1
Milk (Goat's)	<0.10	0
Milk (Sheep's)	0.19	0/1
Pork	<0.10	0

IgE Ranges kUA/l
< 0.10 = 0
0.10 – 0.34 = 0/1
0.35 – 0.69 = 1
0.70 – 3.49 = 2
3.50 – 17.49 = 3
17.50 – 49.99 = 4
50.00 – 99.99 = 5
> 100 = 6

Ranges are reflective of increasing concentrations of allergen specific IgE.

- alpha-Gal is an IgE mediated food allergy caused by sensitization to the allergen galactose-alpha-1,3 galactose which is found in many animals' tissues. Galactose-alpha-1,3 galactose (alpha-Gal) is present in meat products including beef, lamb, and pork as examples. These meats can be considered 'red meats'.

- A clinical manifestation of this meat allergy is a delayed time onset with symptoms appearing approximately 3-6 hours after the ingestion of red meat food. Patients may present with urticaria, hypotension, anaphylactic symptoms, breathing difficulty, and/or gastrointestinal symptoms.

- Individuals may become sensitized to galactose-alpha-1,3 galactose (alpha-gal) in other ways namely through tick bite(s) or through the use of cancer treatment with cetuximab.

