Lab Dept:	**Chemistry**
Test Name:	**ALLERGEN IGE**
General Information	
Lab Order Codes:	See Allergen IgE Orderables List for a specific listing of available allergens. Search by allergen name in Epic to select individual allergens for ordering. Unlisted allergens may be ordered with Mayo Miscellaneous Test (LAB001). These will be sent to our reference lab for testing. Order volumes are reviewed twice yearly and will be added to in-house test menu if order volumes are sufficient.
Synonyms:	Allergy testing; Specific IgE
CPT Codes:	86003 – Allergen specific IgE; quantitative or semi quantitative, for each allergen
Test Includes:	IgE antibody level specific to the requested allergen or screening panel.
Logistics	
Test Indications:	Seemingly minor childhood conditions may be early warning signs of allergy. Diaper rash, eczema, diarrhea, colic, rhinitis and recurrent ear infections may be symptoms of childhood allergy. Allergen IgE testing is a way to test/screen for causative agents.
Lab Testing Sections:	Chemistry
Phone Numbers:	MIN Lab: 612-813-6280 STP Lab: 651-220-6550

Test Availability:	Daily, 24 hours
Turnaround Time:	1 – 3 days, set up daily, Monday – Friday
Special Instructions:	Allergens are available as individual orderables specific to one allergen. Children's also offers an environmental panel tailored to children based on positive allergy trends in the pediatric population in the midwest region. See Allergen Respiratory Profile for more information. There are many additional allergens available from the manufacturer beyond what you will find on our Allergen IgE Orderables List. If you have a need to test against a specific allergen not included on this list, please contact the lab and we will check on availability and obtain it if possible

Specimen

Specimen Type:	Blood
Container:	SST, Red NO GEL tube
Draw Volume:	1 – 5 allergens: 2 mL blood >5 allergens: 1.5 mL blood for each additional 5 allergens
Processed Volume:	0.3 mL serum for first allergen and 0.1 mL serum for each additional allergen
Collection:	Routine venipuncture or fingerstick
Special Processing:	Lab Staff: Centrifuge specimen, remove serum aliquot into plastic tube. Store at refrigerated temperatures for up to 1 week.
Patient Preparation:	None
Sample Rejection:	Mislabeled or unlabeled specimens

Interpretive

Reference Range:	Negative		
	Interpretive Information:		
	kU/L:	Class:	Interpretation:

	<0.10	0	Absent
	0.10 – 0.34	0/I	Equivocal Low
	0.35 – 0.69	I	Low
	0.70 – 3.49	II	Medium
	3.50 – 17.49	III	High
	17.50 – 49.99	IV	Very High
	50.00 – 100.00	V	Very High
	>100.00	VI	Very High
	Note: Results will also be reported in kU/L for individual allergens.		
	All IgE specific allergens are performed at Children's Hospital, 2525 Chicago Ave. South, Minneapolis, MN, 55404, unless otherwise specified.		
Critical Values:	N/A		
Limitations:	Allergens <0.35 KU/L will be reported as Negative		
Methodology:	ImmunoCAP allergen-specific IgE assay is a fluoroenzyme-immunoassay (FEIA), built on a classic sandwich technique.		
References:	Phadia Inc Thermo Scientific (April 2007) 4169 Commercial Avenue, Portage, MI 49002 http://www.phadia.us/		
Updates:	5/2/2007: Screening panels have been removed as options from the test menu. 9/29/2011: Added kU/L ranges to Reference Ranges. 2/9/2016: Update container types 9/18/2018: Updated Reference Ranges		