

<i>Code</i>	<i>Test Description</i>	<i>Specimen</i>	<i>TAT</i>
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Rheumatology, Immunology & Allergy

ART	Arthritis Studies 1. Full Blood Count 2. ESR 3. Calcium 4. Phosphorous 5. Uric Acid 6. Creatine Kinase (CK) 7. Rheumatoid Factor 8. Anti-Nuclear Ab (ANA) (<i>by IFA</i>) 9. C-Reactive Protein 10. ASOT, <i>Quantitative</i> 11. TP-Ab (reflex RPR if Pos) (also consider Anti-CCP, Synovial Fluid FEME or HLA-B27)	3 ml EDTA 5 ml Plain	3-5
ARSC	Arthritis Screen 1. Full Blood Count 2. ESR 3. C-Reactive Protein 4. Rheumatoid Factor 5. Uric Acid 6. Anti-Nuclear Factor (rapid latex) 7. ASOT (rapid latex)	3 ml EDTA 5 ml Plain	2
ENA	Extractable Nuclear Antigens Identification (6 subtypes) 1. RNP Ab 2. Sm Ab 3. SS-A Ab (Ro) 4. SS-B Ab (Lo) 5. Scl-70 Ab 6. Jo-1 Ab	5 ml Plain	5-10

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IGE	Immunoglobulins Evaluation 1. IgA 2. IgG 3. IgM 4. IgD 5. IgE (also consider Immunofixation Electrophoresis)	5 ml Plain	7
IFE	Immunofixation Electrophoresis (Serum) 1. IgA 2. IgG 3. IgM 4. Kappa Light Chain 5. Lambda Light Chain 6. Interpretation	5 ml Plain	10-14
IFEU	Immunofixation Electrophoresis (Urine/CSF)	50 ml FMU / 24hr Urine or 10 ml CSF	10-14
LUS	Lupus Screening 1. Full Blood Count 2. ESR 3. C-Reactive Protein (rapid latex) 4. Anti-Nuclear Ab (ANA) (by IFA) 5. Anti-dsDNA	5 ml Plain 3 ml EDTA	7

Code	Test Description	Specimen	TAT
LES	Lupus Erythematosus Studies	5 ml Plain	7
	1. Full Blood Count	20 ml MSU	
	2. ESR	3 ml EDTA	
	3. C-Reactive Protein (rapid latex)		
	4. Albumin		
	5. Urea		
	6. Creatinine		
	7. Creatine Kinase (CK)		
	8. Coombs Test, Direct		
	10. Anti-Nuclear Ab (ANF) (by IFA)		
	11. Anti-dsDNA		
	12. Complement C3		
	13. Complement C4		
	14. Urine FEME		
	(also consider Anti-ENA)		
MCG	Monoclonal Gammopathy Studies	5 ml Plain	5
	1. Serum Protein Electrophoresis	20 ml FMU	
	2. Bence-Jones Protein (agglutination)		
	3. Beta-2 Microglobulin, Serum		
	(also consider Serum or Urine Immunofixation Electrophoresis IFE)		
RHES	Rheumatoid Screen	5 ml Plain	3-5
	1. Rheumatoid Factor, Quantitative		
	2. Anti-CCP		

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Allergy Tests & Profiles:

AD40	Blood Allergen Specific IgE Assay – 40 allergens For IgE mediated atopic allergy	2 ml Plain (min. 0.2 ml serum)	3-5
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AD41	AD40 plus Total IgE Method: Specific IgE for 40 types of allergens by Microfluidic Immunoassay	2 ml Plain	5
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AD40 inclusive of the below 40 types of common allergens

<p>MOLDS</p> <ul style="list-style-type: none"> m5 <i>Candida albicans</i> m1 <i>Penicillium notatum</i> m2 <i>Cladosporium herbharum</i> m3 <i>Aspergillus fumigatus</i> m6 <i>Alternaria alternate</i> 	<p>POLLENS</p> <ul style="list-style-type: none"> g2 <i>Cynodon dactylon</i> (bermudagrass) g6 Timothy grass w1 <i>Ambrosia elatior</i> (common ragweed) w6 Mugwort, Common w12 Goldenrod
<p>FOODS</p> <ul style="list-style-type: none"> f25 Tomato f31 Carrot f35 Potato, White f84 Kiwi f47 Garlic f13 Peanut f14 Soybean f4 Wheat f20 Almond f41 Salmon f3 Codfish f23 Crab f24 Shrimp f37 Blue Mussel f2 Milk, Bovine f300 Milk, Goat f81 Cheddar Cheese f1 Egg white, chicken f75 Egg Yolk, Chicken f45 Yeast baker's 	<p>MITES</p> <ul style="list-style-type: none"> d1. <i>D. pteronyssinus</i> (house dust mite) d2 <i>D. farinae</i> (house dust mite) d201 <i>Blomia tropicalis</i> (storage mite)
	<p>EPIDERMALS</p> <ul style="list-style-type: none"> e5 Dog dander e1 Cat dander e85 Chicken feathers & Skin e86 Duck Feathers & skin i6 Cockroach, German i207 Cockroach, Oriental
	<p>MISCELLANEOUS</p> <ul style="list-style-type: none"> k82 Latex

Code	Test Description	Specimen	TAT
IGE	Total IgE For allergy screening, but low sensitivity and specificity for atopic allergy.	5 ml Plain	5
IGEC	Total IgE Low Range (Neonatal) Low range detection, for allergy risk in neonate.	3 ml EDTA Cord Blood (Plasma)	5
ECP	Eosinophil Cationic Protein For asthma monitoring	5 ml Plain	5
PHAD	Phadiatop To differentiate between atopic and non-atopic patients. Results indicate high or low probability for atopy. A negative result indicates that the symptoms are not caused by common environmental allergens, and the physician may explore other possibilities. Sensitivity: 93%, Specificity: 89%	5 ml Plain	5-7
PHADI	Phadiatop Infant In younger children aged 0-3, allergic sensitization is mostly related to food allergens rather than inhalant allergens. However, antibodies to inhalant allergens such as house dust mites and pets can still appear early in life. With this in mind, a combination of Phadiatop Infant and the most common food allergens is recommended when testing children for atopy.	2 ml Plain	5-7
fx2	Fx2 Sea Food Mix Fish, shrimp, blue mussel, tuna, salmon	5 ml Plain	7
fx5	Fx5 Common Food Mix Egg white, milk, fish, wheat, peanut, soya bean	5 ml Plain	7
fx30	Fx30 Fruits Mix Kiwi, Mango, Banana, Avocado, Papaya	5 ml Plain	7
hx2	Hx2 House Dust Mix Hollister-Stier Labs., <i>D. pteronyssinus</i> , <i>D. farina</i> , <i>Batella germanica</i>	5 ml Plain	7
mx2	Mx2 Microorganisms Mix <i>Penicillium notatum</i> , <i>Cladosporium herbarum</i> , <i>Aspergillus fumigates</i> , <i>Candida albicans</i> , <i>Alternaria tenuis</i> , <i>Helminthosporium halodes</i>	5 ml Plain	7

Code	Test Description	Specimen	TAT
Specific IgE for Individual Allergen:			
	Single Allergen	5 ml Plain	7-14*
	Combination of any 7 types of Allergen	5 ml Plain	7-14*
Choose from any allergen below. *TAT may be delayed depends on availability of reagent stock.			
code	DRUG	code	TREE POLLENS
c1	Penicilloyl	t12	Willow
c5	Ampicilloyl	t14	Cotton wood
c6	Amoxicilloyl	t18	Eucalyptus/ Gamtree
	MITES & HOUSE DUST	t17	Japanese cedar
d1	<i>D. pteronyssinus</i> (House dust mite)	t19	<i>Acacia longifolia</i>
d2	<i>D. farinae</i> (House dust mite)		MICROORGANISMS
d3	<i>D. microceras</i> (Huse dust mite)	m1	<i>Penicillium notatuma</i>
h1	House Dust	m2	<i>Cladosporium herbarum</i>
	VENOMS	m3	<i>Aspergillus fumigatus</i>
i6	Cockroach	m5	<i>Candida albicans</i>
	EPIDERMALS & ANIMAL PROTEINS	m6	<i>Alternaria tenius</i>
e1	Cat dander and epithelium		WEED POLLENS
e2d	Dog epithelium	w1	Common ragweed
e5	Dog dander	w14	Common pigweed
e6	Guinea pig epithelium		GRASS POLLENS
e7	Pigeon droppings	g2	Bermuda grass
e84	Hamster epithelium		MISCELLANEOUS
e87	Rat epithelium, serum & urine proteins	o1	Cotton, crude fibers
e88	Mouse epithelium, serum & urine proteins		
	FOOD		
f1	Egg White	f40	Tuna
f2	Cow Milk	f41	Salmon
f3	Fish (Cod)	f44	Strawberry
f4	Wheat	f45	Yeast
f7	Oat	f48	Onion
f8	Maize, corn	f49	Apple
f9	Rice	f51	Bamboo shoot
f12	Pea	f75	Egg yolk

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f13	Peanut	f84	Kiwi
f23	Crab	f85	Celery
f24	Shrimp	f87	Melon
f25	Tomato	f91	Mango
f26	Pork	f92	Banana
f27	Beef	f207	Clam
f31	Carrot	f290	Oyster
f33	Orange	k83	Cotton seed
f37	Blue Mussel		

AG90 **Specific IgG for 90 types of Food** 5 ml Plain 5-7
 IgG mediated delayed food hypersensitivity

Dairy/Egg	Nuts/Grains	Fruits	Vegetables	Meats
Cow's Milk	Buckwheat	Apple	Asparagus	Beef
Goat's Milk	Gluten/Wheat	Banana	Bamboo Shoots	Chicken
Cheddar Cheese	Bran	Grape	Broccoli	Lamb
Yogurt	Corn	Grapefruit	Cabbage	Pork
Egg White	Rice	Guava	Carrot	Duck
Egg Yolk	Oat	Kiwi Fruit	Cauliflower	
	Wheat	Lemon	Celery	Others
Sea Food	Adlay	Longans	Cucumber	Chilli Pepper
Abalone	Kidney Bean	Mango	Eggplant	Garlic
Cod	Mung Bean	Olive	Green onion	Ginger
Crab	Soya Bean	Orange	Leek	Pepper
Clam	Sunflower seed	Papaya	Lettuce	Yeast
Cuttlefish	Almond	Peach	Onion	Honey
Eel	Walnut	Pear	Peas	Vanilla
Kelp	Sesame Seed	Pineapple	Peppers	Coffee
Oyster	Cocoa bean	Cherry	Potato	Tea
Salmon	Peanut	Strawberry	Spinach	
Sharks Fin		Watermelon	String Bean	
Shrimp		Coconut	Sweet Potato	
Tuna		Avocado	Taro	
			Tomato	
			Mushroom	