

AllerSpot- 72 allergen specific IgE serological screening test
Ver. 20170629

Items of 72 allergens

No.	Latin Name	Common Name	Code
1	<i>Alternaria alternata</i>	Fungus	m6
2	<i>Aspergillus fumigatus</i>	Fungus	m3
3	<i>Candida albicans</i>	Fungus	m5
4	<i>Cladosporium herbarum</i>	Fungus	m2
5	<i>Malassezia pachydermatis</i>	Yeast	m70
6	<i>Penicillium chrysogenum</i>	Fungus	m1
7	<i>Staphylococcus aureus</i>	Gram-positive coccal bacterium	Em13
8	<i>Acarus siro</i>	Flour mite	d70
9	<i>Camponotus pennsylvanicus</i>	Ant, black/carpenter	i51
10	<i>Blomia tropicalis</i>	House dust mite	d201
11	<i>Blattella germanica</i>	Cockroach, german	i6
12	<i>Dermatophagoides farinae</i>	House dust mite	d2
13	<i>Dermatophagoides pteronyssinus</i>	House dust mite	d1
14	<i>Ctenocephalides canis/C. felis</i>	Flea	Gixb22
15	<i>Aedes spp./ Culex pipiens</i>	Mosquito	Ai3390/Ai3400
16	<i>Tyrophagus putrescentiae</i>	Mite	d72
17	<i>Ixodoidea</i>	Tick	Ei16
18	<i>Felis catus domesticus</i>	Standardized cat hair	Gete3
19	<i>Bos taurus</i>	Cattle epithelia	Ge4
20	<i>Gallus gallus, Anas platyrhynchos, Anser domesticus</i>	Mixed feathers	Ge01
21	<i>Capra hircus</i>	Goat epithelia	e80
22	<i>Cynodon dactylon</i>	Bermuda	g2
23	<i>Poa pratensis</i>	June/ky blue grass	g8
24	<i>Amaranthus retroflexus</i>	Pigweed, rough/redroot	w14
25	<i>Ambrosia artemisiifolia</i>	Ragweed, short	w1
26	<i>Rumex acetosella</i>	Sorrel, red	w18
27	<i>Acacia spp.</i>	Acacia	t19
28	<i>Eucalyptus globulus</i>	Eucalyptus	t18
29	<i>Broussonetia Papyrifera</i>	Mulberry, paper	Gt113
30	<i>Malus domestica</i>	Apple	f49

31	<i>Musa acuminata</i>	Banana	f92
32	<i>Cucumis melo</i> var. <i>cantalupensis</i>	Cantaloupe/muskmelon	f102
33	<i>Citrus reticulata</i>	Mandarine	f302
34	<i>Citrus sinensis</i>	Orange	f33
35	<i>Pyrus pyrifolia</i>	Pear	f94
36	<i>Citrullus vulgaris/Citrullus lanatus</i>	Watermelon	f29
37	<i>Psidium guajava</i>	Guava	f292
38	<i>Zea mays</i>	Corn	f8
39	<i>Arachis hypogaea</i>	Peanut	f13
40	<i>Oryza sativa</i>	Rice	f9
41	<i>Glycine max</i>	Soy bean	f14
42	<i>Triticum aestivum</i>	Wheat	f4
43	<i>Linum usutatisimum</i>	Flaxseed	f333
44	<i>Brassica oleracea</i> var. <i>botrytis</i>	Broccoli	f260
45	<i>Brassica oleracea</i> var. <i>capitata</i>	Cabbage	f216
46	<i>Daucus carota</i>	Carrot	f31
47	<i>Pisum sativum</i>	Pea, green	f12
48	<i>Solanum tuberosum</i>	Potato, white	f35
49	<i>Ipomoea batatas</i>	Potato, sweet	f54
50	<i>Cucurbita pepo</i> var. <i>meloepo</i>	Squash, yellow summer	f225
51	<i>Lycopersicon esculentum</i>	Tomato	f25
52	<i>Laminaria japonica</i>	Brown seaweed	Ef26
53	<i>Bos taurus</i>	Cheese	f81
54	<i>Gallus gallus</i>	Egg white, chicken	f1
55	<i>Gallus</i> spp.	Egg yolk, chicken	f75
56	<i>Bos taurus</i>	Milk, bovine	f2
57	<i>Bos taurus</i>	Beef	f27
58	<i>Gallus gallus</i>	Chicken	f83
59	<i>Anas</i> sp.	Duck	f157
60	<i>Ovis aries</i>	Lamb	f88
61	<i>Sus scrofa</i>	Pork	f26
62	<i>Meleagris gallopavo</i>	Turkey meat	f284
63	<i>Gadus</i> spp.	Codfish	f3
64	<i>Callinectes</i> spp.	Crab	Gf12
65	<i>Scomber scombrus</i>	Mackerel	f206
66	<i>Salmo salar</i>	Salmon	f41

67	<i>Sardinops</i> spp.	Sardine	f61
68	<i>Penaeus</i> sp.	Shrimp	f24
69	<i>Thunnus</i> sp.	Tuna	f40
70	<i>Engraulis encrasicolus</i>	Anchovy	f313
71	<i>Saccharomyces cerevisiae</i>	Yeast, baker's	f45
72	<i>Saccharomyces cerevisiae</i>	Yeast, brewer`s	f155

Validation Results- Interference

1. Ascorbic acid (Vitamin C): The result matches the target value ± 1 class of the in-house reference. Vitamin C concentration < 50 mg/dL will not interfere with the test results.
2. Intrafat (glycerol): The result matches the target value ± 1 class of the in-house reference. Intrafat concentration < 20% will not interfere with the test results.
3. Anticoagulant: The result matches the target value ± 1 class of the in-house reference. EDTA-3K anticoagulant and Heparin anticoagulant didn't affect the test results.

Sensitivity and specificity

Comparison test with the IgE reference system	
Sensitivity	98.5%
Specificity	93.3%
Accuracy	97.5%