

proven accuracy

comparison of results of allergy testing from fast allergy test and laboratory test

allergen		CAP positive	fast test positive	positive correlation	CAP negative	fast test negative	negative correlation
d1	house dust mite	59	58	98.3%	139	137	98.6%
t4	hazel pollen	24	24	100%	31	30	96.7%
gx3	grass pollen mix	76	75	98.7%	38	37	97.4%
w6	mugwort pollen	62	60	96.8%	44	43	97.7%
e1	cat epithelia	33	31	93.9%	40	40	100%
t3	birch pollen	80	76	95%	58	56	96.5%
k82	latex	12	12	100%	16	16	100%
e2	dog epithelia	21	20	95.2%	47	44	93.6%
w20	stinging nettle	15	15	100%	20	20	100%
m2	cladosporium	4	4	100%	35	34	97.1%
m3	a. fumigatus	4	4	100%	38	37	97.3%
m6	alternaria alternata	15	14	93.3%	45	45	100%
f74	hen egg	11	11	100%	20	18	90%
fx74	fish mix	14	14	100%	15	15	100%
fx73	meat mix	8	7	87.5%	31	31	100%
f24	shrimps	10	9	90%	26	25	96.2%
f17	hazelnut	33	30	90.9%	34	34	100%
f13	peanut	22	19	86.4%	24	24	100%
f14	soy bean	14	13	92.8%	23	23	100%
f5	rye flour	11	11	100%	18	18	100%
f4	wheat flour	18	18	100%	21	21	100%
f31	carrot	17	16	94.1%	18	18	100%
f85	celery	21	21	100%	28	28	100%
f199	milk	15	14	93.3%	38	36	94.7%

Patients' blood was used as capillary blood or further processed to obtain serum and heparin blood. Laboratory testing was always performed using serum, the fast test was performed with serum in 82 cases, with capillary blood in 36 cases and with heparin blood in 213 cases.

Correlation of positive results:

N1: number of patients giving a positive result during laboratory testing

N2: number of patients out of N1, reacting positively to the respective allergen in the fast test

$N2/N1^*$ 100 = positive correlation

Correlation of negative results:

N3: number of patients that did not react to an allergen in laboratory testing

N4: number of patients out of N3 tested with fast test, that did not react to an allergen

$N4/N3^*$ 100 = negative correlation

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