Allergy

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ALLERGY

Allergy (Type I hypersensitivity) affects approximately 25% of the population in industrialized countries. It can manifest in diseases like hay fever, allergic asthma, food allergy, allergic skin inflammation, and anaphylaxis, particularly in children and young adults. It is generally caused by an overreaction of the immune system to otherwise harmless environmental substances and is composed of two phases: first exposure phase (sensitization phase) and second exposure phase.

In the sensitization phase, allergens are presented by Antigen Presenting Cells (APCs) to the naive T cells in the lymph nodes leading to their activation into T- Helper Cells (TH2). TH2 cells release Interleukins resulting in a class switching of naive B cells into mature B cells, producing specific IgE antibodies to the triggering allergen. Specific IgE antibodies binds then to the surface of the mast cell.

In the re-exposure phase: the same allergen enters the body and leads to the crosslinking of two adjacent IgE antibodies on the surface of the mast cell. This results in the degranulation of mast cells and the release of inflammatory mediators such as histamine which causes inflammatory reactions and the onset of allergy symptoms.

Some of the most common allergens include pollen (43% of all patients with allergy), dust mites (23%), foods (20%), animal hair or saliva (18%), drugs (14%) and insect venom (9%).

Our diagnostic panel assays allow determination of the strength of sensitization against a wide spectrum of allergens. This helps healthcare professionals reliably identify the trigger of a patient’s allergy and to initiate the required preventive and therapeutic measures.

AESKU's complete in-house production philosophy gives us full control over the entire production chain, guaranteeing the highest quality and most capable product support.

The use of common reagents in all of our line immunoassays makes ***AESKUBLOTS***® ideal for automation – saving space, cost, and time.

> *The **AESKUBLOTS**® Allergy are your gateway for the simultaneous screening and differentiation of a wide spectrum of allergies with high precision and accuracy*

Our **HELIA**® system allows fast, easy, and convenient processing and the quantitative analysis of ***AESKUBLOTS***®.

AESKUBLOTS® can be processed manually and results can be produced automatically using the **AESKU.SCAN** software.

AESKUBLOTS® Allergy

UNLOCKING UP TO 39 ALLERGIES WITH HIGH PRECISION AT A TIME.

Quantitative results shown in kU/L and CAP classes.

BLOT TESTING

Kit Components

Test principle

- Allergens are coated in lines at precisely defined positions on a nitrocellulose membrane.
- Blots are incubated with patient serum or plasma. Any specific IgE antibodies present bind to the antigen, forming an antigen-antibody complex and the unbound fraction is washed off.
- Anti-human IgE antibodies conjugated to Digoxigenin are incubated and react with any antigen antibody complex. Unbound conjugate is washed off.
- Anti-Digoxigenin immunoglobulins conjugated to horseradish peroxidase (HRP) are incubated, and unbound antibodies are washed off.
- TMB substrate is added and converted to a blue precipitate by an enzymatic reaction. The reaction is stopped by distilled water.
- The intensity of the band is proportional to the concentration of antibodies in the sample.

ALLERGY LINE *OVERVIEW*

Ref No.	Product Name	Format	No. of Allergens	Allergens	Ig Class	Calibration/ Standard Range
AESKUBLOTS® Allergy Atopy						
AESKUBLOTS®						
421001	Allergy ONE	24 tests	24 allergens	f1, f75, f199, f3, f4, f14, f13, f204, f23, 24, f27, f88, f25, f52, f91, w1, w6, tx21 (t12, t14, t247), e1, e5, h1, dx2 (d1, d2), i6, mx1 (m1, m2, m3, m6), IgE	IgE	quantitative class 0-6 / 0.35-100 kU/L
421001. BULK.120		120 tests				
421407	Allergy SEVEN	24 tests	39 allergens	t3, t4, t9, t23, t25, g6, g12, g2, g17, w1, w6, w9, e1, e3, e5, dx2 (d1, d2), i6, m2, f1, f199, f3, f41, f23, f24, fx693 (f26, f27, f83, f88), f4, f9, f14, f35, f13, f17, f20, f25, f31, f33, f44, f49, f53, CCD*, IgE	IgE	quantitative class 0-6 / 0.35-100 kU/L
421407. BULK.120		120 tests				
421413	Allergy THIRTEEN	24 tests	39 allergens	d1, d2, e1, e5, ex71 (e70, e85, e86), g2, g5, t11, t14, t25, t19, w9, w18, m2, m3, m6, f74, f199, f78, f4, f8, f9, f832, f13, f14, f29, f33, f49, f25, f181, f3, fx110 (f40, f41), fx111 (f24, f80, f37), f38, f143, f26, f27, f97, c267, CCD*, IgE	IgE	quantitative class 0-6 / 0.35-100 kU/L
421413. BULK.120		120 tests				
AESKUBLOTS® Allergy Food						
AESKUBLOTS®						
421003	Allergy THREE	24 tests	24 allergens	f1, f199, f4, f7, f8, f9, f10, f89, f13, f14, f49, f29, f91, f52, f31, f47, s15, f16, fx102 (f20, f36, f204), f24, f23, fx103 (f40, f171, f173), f83, fx101 (f26, f27, f88), IgE	IgE	quantitative class 0-6 / 0.35-100 kU/L
421003. BULK.120		120 tests				
421005	Allergy FIVE	24 tests	24 allergens	f25, f31, f85, f89, f33, f44, f49, f53, f84, f1, f199, f3, f41, f23, f24, fx693 (f26, f27, f83, f88), f4, f9, f14, f35, f13, f17, f20, CCD*, IgE	IgE	quantitative class 0-6 / 0.35-100 kU/L
421005. BULK.120		120 tests				
421009	Allergy NINE	24 tests	18 allergens	f1, f199, f4, f8, f10, f13, f14, f16, f17, f20, f204, f24, f242, f338, f3, f40, f41, CCD*, IgE	IgE	quantitative class 0-6 / 0.35-100 kU/L
421009. BULK.120		120 tests				
421411	Allergy ELEVEN	24 tests	39 allergens	f25, f31, f85, f89, f47, f48, f29, f33, f44, f49, f53, f84, f52, f91, f1, f199, f3, f41, f40, f24, f27, f88, f83, f4, f6, f7, f8, f9, f10, f14, f13, f950, f35, s15, f16, f17, f20, f204, CCD*, IgE	IgE	quantitative class 0-6 / 0.35-100 kU/L
421411. BULK.120		120 tests				
AESKUBLOTS® Allergy Inhalation						
AESKUBLOTS®						
421002	Allergy TWO	24 tests	24 allergens	d1, d2, d201, e1, e5, e73, g12, g13, g2, g6, g8, i6, k82, m2, m3, t18, t230, t3, t214, w1, w10, w13, w6, CCD*, IgE	IgE	quantitative class 0-6 / 0.35-100 kU/L
421002. BULK.120		120 tests				
421004	Allergy FOUR	24 tests	24 allergens	w1, w6, w9, w21, dx2 (d1, d2), e1, e3, e5, ix1 (i6, i903), k81, k82, m2, t216, t3, t4, t9, t14, t23, g2, g17, gx17 (g1, g3, g5, g8), g6, g12, CCD*, IgE	IgE	quantitative class 0-6 / 0.35-100 kU/L
421004. BULK.120		120 tests				
421006	Allergy SIX	24 tests	24 allergens	w1, w6, w9, w21, w20, e1, e3, e5, d1, d2, k82, m2, t216, t3, t4, t7, t25, i1, i3, i6, i903, g6, g12, CCD*, IgE	IgE	quantitative class 0-6 / 0.35-100 kU/L
421006. BULK.120		120 tests				
421408	Allergy EIGHT	24 tests	34 allergens	d1, d2, e1, e5, e72, g2, g5, g6, g10, i6, m1, m2, m3, m6, t1, t2, t3, t6, t7, t247, t9, t10, t11, t14, t25, t19, t70, w1, w6, w11, w14, w18, w20, CCD*, IgE	IgE	quantitative class 0-6 / 0.35-100 kU/L
421408. BULK.120		120 tests				

*Cross-reactive carbohydrate determinants (CCD) are protein linked carbohydrate structures present in a wide range of allergens from plants, pollen, mollusks, and insects. IgE antibodies against CCD are present in 25% of patients suffering from allergic symptoms. IgE antibodies against CCD give rise to the impression of polysensitization.

Anti-CCD IgE antibodies are not allergen-specific and do not seem to be correlated with clinical symptoms. Multiple positive results in combination with a positive CCD result should be interpreted carefully, and false-positive results due to anti-CCD IgE antibodies should be considered.

ALLERGY LINE *OVERVIEW*

Ref No.	Product Name	Format	No. of Allergens	Allergens	Ig Class	Calibration / Standard Range
***AESKUBLOTS®** Allergy Inhalation*						
421412 421412.BULK.120	Allergy TWELVE	24 test 120 test	35 allergens	d1, d2, d201, e1, e5, e72, g2, g17, g6, g10, i6, m1, m2, m3, m6, t1, t3, t6, t7, t247, t10, t11, t14, t25, t230, t33, t70, w1, w6, w11, w14, w18, w20, w35, CCD*, IgE	IgE	quantitative class 0-6 / 0.35-100 kU/L
***AESKUBLOTS®** Allergy Venom*						
AESKUBLOTS®						
421006 421006.BULK.120	Allergy SIX	24 tests 120 tests	24 allergens	w1, w6, w9, w21, w20, e1, e3, e5, d1, d2, k82, m2, t216, t3, t4, t7, t25, i1, i3, i6, i903, g6, g12, CCD*, IgE	IgE	quantitative class 0-6 / 0.35-100 kU/L
***AESKUBLOTS®** Allergy Pediatric*						
AESKUBLOTS®						
421010 421010.BULK.120	Allergy TEN	24 tests 120 tests	17 allergens	d1, d2, e1, e5, e72, i6, m2, m6, f1, f199, f4, f13, f14, f16, f3, f24, CCD*, IgE	IgE	quantitative class 0-6 / 0.35-100 kU/L

*Cross-reactive carbohydrate determinants (CCD) are protein linked carbohydrate structures present in a wide range of allergens from plants, pollen, mollusks, and insects. IgE antibodies against CCD are present in 25% of patients suffering from allergic symptoms. IgE antibodies against CCD give rise to the impression of polysensitization.

Anti-CCD IgE antibodies are not allergen-specific and do not seem to be correlated with clinical symptoms. Multiple positive results in combination with a positive CCD result should be interpreted carefully, and false-positive results due to anti-CCD IgE antibodies should be considered.

AESKUBLOTS® *Allergy LINE - Atopy*

For the detection of allergen specific IgE (human), the ***AESKUBLOTS®*** Allergy Line is a cost-effective and reliable enzyme immunoassay for in-vitro allergy diagnostics in a convenient profile format. The assay is used for the quantitative determination of specific IgE-antibodies against a selection of relevant allergens for the serological diagnosis of type I hypersensitivities (allergy) in patients. AESKU offers 13 different Allergy Line panels, each with a different spectrum and diagnostic focus.

AESKUBLOTS® *Allergy ONE*

neg.	pos.
Barcode	Barcode
Function Control	Function Control
Negative Control	Negative Control
Standard 1	Standard 1
Standard 2	Standard 2
Standard 3	Standard 3
Egg white	f1
Egg yolk	f75
Cow's milk	f199
Cod	f3
Wheat	f4
Soybean	f14
Peanut	f13
Cashew nut	f204
Crab	f23
Shrimp	f24
Beef	f27
Lamb	f88
Tomato	f25
Pineapple	f52
Mango	f91
Common ragweed	w1
Mugwort	w6
Tree mix	tx21
Cat dander	e1
Dog dander	e5
House dust	h1
House dust mites	dx2
German cockroach	i6
Mould mix	mx1
total IgE	IgE
Function Control	Function Control

Reference:
421001

Color Code:
Red - Yellow

AESKUBLOTS® *Allergy SEVEN*

neg.	pos.
Barcode	Barcode
Function Control	Function Control
Negative Control	Negative Control
Standard 1	Standard 1
Standard 2	Standard 2
Standard 3	Standard 3
Birch	t3
Hazelnut	t4
Olive	t9
Cypress	t23
Ash	t25
Timothy grass	g6
Rye	g12
Bermuda grass	g2
Bahia grass	g17
Common ragweed	w1
Mugwort	w6
English plantain	w9
Cat dander	e1
Horse dander	e3
Dog dander	e5
House dust mites	dx2
German cockroach	i6
Cladosporium herbarum	m2
Hen egg white	f1
Cow's milk	f199
Cod fish	f3
Salmon	f41
Crab	f23
Shrimp	f24
Meat mix	fx693
Wheat	f4
Rice	f9
Soy bean	f14
Potato	f35
Peanut	f13
Hazelnut	f17
Almond	f20
Tomato	f25
Carrot	f31
Orange	f33
Strawberry	f44
Apple	f49
Peach	f53
CCD	CCD
total IgE	IgE
Function Control	Function Control

Reference:
421407

Color Code:
Red - Cyan

AESKUBLOTS® *Allergy THIRTEEN*

neg.	pos.
Barcode	Barcode
Function Control	Function Control
Negative Control	Negative Control
Standard 1	Standard 1
Standard 2	Standard 2
Standard 3	Standard 3
Dermatophogoides pteronissinus	d1
Dermatophagoides farinae	d2
Cat dander	e1
Dog dander	e5
Feather mix	ex71
Bermuda grass	g2
Ryegrass	g5
London plane	t11
Poplar	t14
Ash	t25
Acacia	t19
English plantain	w9
Sheep sorrel	w18
Cladosporium herbarum	m2
Aspergillus fumigatus	m3
Alternaria alternata	m6
Egg	f74
Milk	f199
Casein	f78
Wheat	f4
Maize	f8
Rice	f9
Quinoa	f832
Peanut	f13
Soybean	f14
Banana	f29
Orange	f33
Apple	f49
Tomato	f25
Avocado	f181
Cod	f3
Fishmix	fx110
Shellfish mix	fx111
Chicken	f83
Turkey	f143
Pork	f26
Beef	f27
Cocoa	f97
CCD	CCD
total IgE	IgE
Function Control	Function Control

Reference:
421413

Color Code:
Red - Pink

AESKUBLOTS® *Allergy Atopy*

AESKUBLOTS® *Allergy LINE - Food*

AESKUBLOTS® *Allergy THREE*

neg.	pos.
Barcode	Barcode
Function Control	Function Control
Negative Control	Negative Control
Standard 1	Standard 1
Standard 2	Standard 2
Standard 3	Standard 3
Egg white	f1
Cow's milk	f199
Wheat	f4
Oat	f7
Maize	f8
Rice	f9
Sesame	f10
Mustard	f89
Peanut	f13
Soybean	f14
Apple	f49
Banana	f29
Mango	f91
Pineapple	f52
Carrot	f31
Garlic	f47
Ginger	s15
Walnut	f16
Nut mix	fx102
Shrimp	f24
Crab	f23
Fish mix	fx103
Chicken	f83
Red meat mix	fx101
total IgE	IgE
Function Control	Function Control

Reference:
421003

Color Code:
Red - Green

AESKUBLOTS® *Allergy FIVE*

neg.	pos.
Barcode	Barcode
Function Control	Function Control
Negative Control	Negative Control
Standard 1	Standard 1
Standard 2	Standard 2
Standard 3	Standard 3
Tomato	f25
Carrot	f31
Celery	f85
Mustard	f89
Orange	f33
Strawberry	f44
Apple	f49
Peach	f53
Kiwi fruit	f84
Egg white	f1
Cow's milk	f199
Cod	f3
Salmon	f41
Crab	f23
Shrimp	f24
Meat mix	fx693
Wheat	f4
Rice	f9
Soybean	f14
Potato	f35
Peanut	f13
Hazelnut	f17
Almond	f20
CCD	CCD
total IgE	IgE
Function Control	Function Control

Reference:
421005

Color Code:
Red - Black

AESKUBLOTS® *Allergy NINE*

neg.	pos.
Barcode	Barcode
Function Control	Function Control
Negative Control	Negative Control
Standard 1	Standard 1
Standard 2	Standard 2
Standard 3	Standard 3
Egg white	f1
Cow's milk	f199
Wheat	f4
Maize	f8
Sesame	f10
Peanut	f13
Soybean	f14
Walnut	f16
Hazelnut	f17
Almond	f20
Cashew nut	f204
Shrimp	f24
Venus clam	f242
Scallop	f338
Cod	f3
Tuna	f40
Salmon	f41
CCD	CCD
total IgE	IgE
Function Control	Function Control

Reference:
421009

Color Code:
Red - Orange

AESKUBLOTS® *Allergy ELEVEN*

neg.	pos.
Barcode	Barcode
Function Control	Function Control
Negative Control	Negative Control
Standard 1	Standard 1
Standard 2	Standard 2
Standard 3	Standard 3
Tomato	f25
Carrot	f31
Celery	f85
Mustard	f89
Garlic	f47
Onion	f48
Banana	f29
Orange	f33
Strawberry	f44
Apple	f49
Peach	f53
Kiwi fruit	f84
Pineapple	f52
Mango	f91
Egg white	f1
Cow's milk	f199
Cod	f3
Salmon	f41
Tuna	f40
Shrimp	f24
Beef	f27
Lamb	f88
Chicken	f83
Wheat	f4
Barley	f6
Oat	f7
Maize	f8
Rice	f9
Sesame	f10
Soybean	f14
Peanut	f13
Green bean	f950
Potato	f35
Ginger	s15
Walnut	f16
Hazelnut	f17
Almond	f20
Cashew nut	f204
CCD	CCD
total IgE	IgE
Function Control	Function Control

Reference:
421411

Color Code:
Red - Light Green

AESKUBLOTS® *Allergy LINE - Inhalation*

AESKUBLOTS® *Allergy TWO*

Reference:
421002

Color Code:
Red - Grey

neg.	pos.
Barcode	Barcode
Function Control	Function Control
Negative Control	Negative Control
Standard 1	Standard 1
Standard 2	Standard 2
Standard 3	Standard 3
Dermatophagoides pteronyssinus	d1
Dermatophagoides farinae	d2
Blomia tropicalis	d201
Cat dander	e1
Dog dander	e5
Rat epithelium	e73
Rye	g12
Velvet grass	g13
Bermuda grass	g2
Timothy grass	g6
Kentucky blue grass	g8
German cockroach	i6
Latex	k82
Cladosporium herbarum	m2
Aspergillus fumigatus	m3
Blue gum	t18
Pine	t230
Birch	t3
Date palm	t214
Common ragweed	w1
Lamb's quarters	w10
Cocklebur	w13
Mugwort	w6
total IgE	IgE
CCD	CCD
Function Control	Function Control

AESKUBLOTS® *Allergy FOUR*

Reference:
421004

Color Code:
Red - Red

neg.	pos.
Barcode	Barcode
Function Control	Function Control
Negative Control	Negative Control
Standard 1	Standard 1
Standard 2	Standard 2
Standard 3	Standard 3
Common ragweed	w1
Mugwort	w6
English plantain	w9
Pellitory	w21
House dust mites	dx2
Cat dander	e1
Horse dander	e3
Dog dander	e5
Cockroach mix	ix1
Ficus	k81
Latex	k82
Cladosporium herbarum	m2
Alder	t216
Birch	t3
Hazelnut	t4
Olive	t9
Poplar	t14
Italian cypress	t23
Bermuda grass	g2
Bahia grass	g17
Grass mix	gx17
Timothy grass	g6
Rye	g12
CCD	CCD
total IgE	IgE
Function Control	Function Control

AESKUBLOTS® *Allergy SIX*

Reference:
421006

Color Code:
Red - Pink

neg.	pos.
Barcode	Barcode
Function Control	Function Control
Negative Control	Negative Control
Standard 1	Standard 1
Standard 2	Standard 2
Standard 3	Standard 3
Common ragweed	w1
Mugwort	w6
English plantain	w9
Pellitory	w21
Stinging nettle	w20
Cat dander	e1
Horse dander	e3
Dog dander	e5
Dermatophagoides pteronyssinus	d1
Dermatophagoides farinae	d2
Latex	k82
Cladosporium herbarum	m2
Alder	t216
Birch	t3
Hazelnut	t4
Oak	t7
Ash	t25
Bee venom	i1
Wasp venom	i3
German cockroach	i6
American cockroach	i903
Timothy grass	g6
Rye	g12
CCD	CCD
total IgE	IgE
Function Control	Function Control

AESKUBLOTS® *Allergy EIGHT*

Reference:
421408

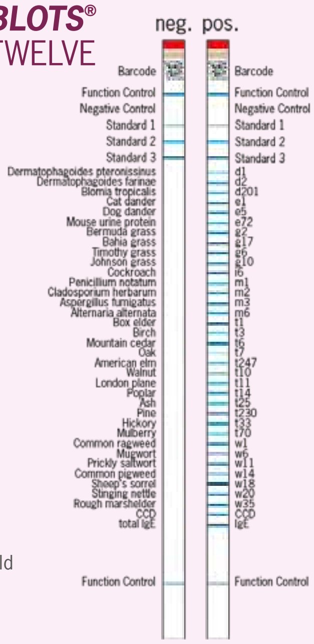
Color Code:
Red - Brown

neg.	pos.
Barcode	Barcode
Function Control	Function Control
Negative Control	Negative Control
Standard 1	Standard 1
Standard 2	Standard 2
Standard 3	Standard 3
Dermatophagoides pteronyssinus	d1
Dermatophagoides farinae	d2
Cat dander	e1
Dog dander	e5
Mouse urine protein	e72
Bermuda grass	g2
Ryegrass	g5
Timothy grass	g6
Johnson grass	g10
German cockroach	i6
Penicillium notatum	m1
Cladosporium herbarum	m2
Aspergillus fumigatus	m3
Alternaria alternata	m6
Box elder	t1
Grey alder	t2
Birch	t3
Mountain juniper	t6
Oak	t7
American elm	t247
Olive	t9
Walnut	t10
London plane	t11
Poplar	t14
Ash	t25
Acacia	t19
White mulberry	t70
Common ragweed	w1
Mugwort	w6
Prickly saltwort	w11
Common pigweed	w14
Sheep sorrel	w18
Stinging nettle	w20
CCD	CCD
total IgE	IgE
Function Control	Function Control

AESKUBLOTS® *Allergy Inhalation*

AESKUBLOTS® *Allergy LINE - Inhalation*

AESKUBLOTS®
Allergy TWELVE



Reference:
421412

Color Code:
Red - Light Gold

AESKUBLOTS® *Allergy Inhalation*

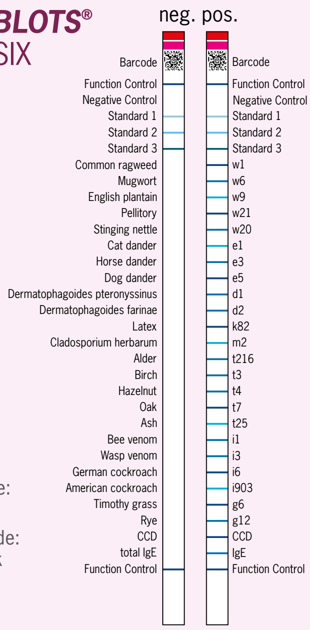
AESKUBLOTS® Allergy product line contains:

Tests per Kit: 24/120

Conjugate:
anti-human IgE

AESKUBLOTS® *Allergy LINE - Venom & Pediatric*

AESKUBLOTS®
Allergy SIX

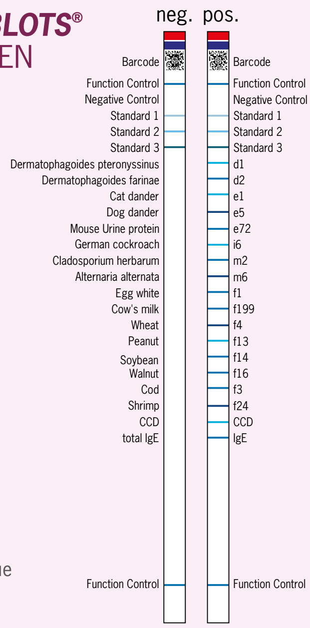


Reference:
421006

Color Code:
Red - Pink

AESKUBLOTS® *Allergy Venom*

AESKUBLOTS®
Allergy TEN



Reference:
421010

Color Code:
Red - Dark Blue

AESKUBLOTS® *Allergy Pediatric*

AESKUBLOTS® Allergy ONE

No.	Code	English Name	Scientific Name
1	f1	Egg white	Gallus gallus domesticus
2	f75	Egg yolk	Gallus gallus domesticus
3	f199	Cow's Milk	Bos primigenius f. taurus
4	f3	Cod	Gadus morhua
5	f4	Wheat	Triticum aestivum
6	f14	Soybean	Glycine max
7	f13	Peanut	Arachis hypogaea
8	f204	Cashew nut	Anacardium occidentale
9	f23	Crab	Callinectus sapidus
10	f24	Shrimp	Penaeus monodon
11	f27	Beef	Bos primigenius f. taurus
12	f88	Lamb	Ovis aries
13	f25	Tomato	Lycopersicon esculentum
14	f52	Pineapple	Ananas comosus
15	f91	Mango	Mangifera indica
16	w1	Common Ragweed	Ambrosia artemisiifo-lia
17	w6	Mugwort	Artemisia vulgaris
18	tx21 (t12) (t14) (t247)	Tree mix (Goat willow) (Poplar) (American elm)	 (Salix caprea) (Populus deltoides) (Ulmus americana)
19	e1	Cat dander	Felis domesticus
20	e5	Dog dander	Canis familiaris
21	h1	House dust	-
22	dx2 (d1) (d2)	House dust mites (Dermatophagoides pteronyssinus) (Dermatophagoides farinae)	 (Dermatophagoides pteronyssinus) (Dermatophagoides farinae)
23	i6	German cockroach	Blattella germanica
24	mx1 (m1) (m2) (m3) (m6)	Mould mix (Penicillium notatum) (Cladosporium herbarum) (Aspergillus fumigatus) (Alternaria alternata)	 (Penicillium notatum) (Cladosporium herbarum) (Aspergillus fumigatus) (Alternaria alternata)
25	IgE	total IgE	total IgE

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AESKUBLOTS® Allergy SEVEN

No.	Code	English Name	Scientific Name
1	t3	Birch	Betula verrucosa, syn. pendula
2	t4	Hazelnut	Corylus avellana
3	t9	Olive	Olea europaea
4	t23	Cypress	Cupressus sempervirens
5	t25	Ash	Fraxinus excelsior
6	g6	Timothy grass	Phleum pratense
7	g12	Rye	Secale cereale
8	g2	Bermuda grass	Cynodon dactylon
9	g17	Bahia grass	Paspalum notatum
10	w1	Common Ragweed	Ambrosia artemisiifolia
11	w6	Mugwort	Artemisia vulgaris
12	w9	English plantain	Plantago lanceolata
13	e1	Cat dander	Felis domesticus
14	e3	Horse dander	Equus caballus
15	e5	Dog dander	Canis familiaris
16	dx2 (d1) (d2)	House dust mites (Dermatophagoides pteronyssinus) (Dermatophagoides farinae)	 (Dermatophagoides pteronyssinus) (Dermatophagoides farinae)
17	i6	German cockroach	Blattella germanica
18	m2	Cladosporium herbarum	Cladosporium herbarum
19	f1	Egg white	Gallus gallus domesticus
20	f199	Cow´s milk	Bos primigenius f. taurus
21	f3	Cod	Gadus morhua
22	f41	Salmon	Salmo salar
23	f23	Crab	Callineticus sapidus
24	f24	Shrimp	Penaeus monodon
25	fx693 (f26) (f27) (f83) (f88)	Meat mix (Pork) (Beef) (Chicken) (Lamb)	 (Sus scrofa domestica) (Bos primigenius f. taurus) (Gallus gallus domesticus) (Ovis aries)
26	f4	Wheat	Triticum aestivum
27	f9	Rice	Oryza sativa
28	f14	Soybean	Glycine max
29	f35	Potato	Solanum tuberosum
30	f13	Peanut	Arachis hypogaea
31	f17	Hazelnut	Corylus avellana
32	f20	Almond	Prunus amygdalus
33	f25	Tomato	Lycopersicon esculentum
34	f31	Carrot	Daucus carota
35	f33	Orange	Citrus sinensis
36	f44	Strawberry	Fragaria vesca
37	f49	Apple	Malus domestica
38	f53	Peach	Prunus persica
39	CCD	CCD*	CCD*
40	IgE	total IgE	total IgE

LISTS OF ALLERGENS

AESKUBLOTS® *Allergy THIRTEEN*

No.	Code	English Name	Scientific Name
1	d1	Dermatophagoides pteronissinus	Dermatophagoides pteronissinus
2	d2	Dermatophagoides farinae	Dermatophagoides farinae
3	e1	Cat dander	Felis domesticus
4	e5	Dog dander	Canis familiaris
5	ex71 (e70) (e85) (e86)	Feather mix (Goose feather) (Chicken feather) (Duck feather)	 (Anser anser) (Gallus gallus domesticus) (Anas platyrhynchos)
6	g2	Bermuda grass	Cynodon dactylon
7	g5	Ryegrass	Lolium perenne
8	t11	London plane	Platanus acerifolia
9	t14	Poplar	Populus deltoides
10	t25	Ash	Fraxinus excelsior
11	t19	Acacia	Acacia longifolia
12	w9	English plantain	Plantago lanceolata
13	w18	Sheep´s sorrel	Rumex acetosella
14	m2	Cladosporium herbarum	Cladosporium herbarum
15	m3	Aspergillus fumigatus	Aspergillus fumigatus
16	m6	Alternaria alternata	Alternaria alternata
17	f74	Egg	Gallus gallus domesticus
18	f199	Cow´s milk	Bos primigenius f. taurus
19	f78	Casein	Bos primigenius f. taurus
20	f4	Wheat	Triticum aestivum
21	f8	Maize	Zea mays
22	f9	Rice	Oryza sativa
23	f832	Quinoa	Chenopodium quinoa
24	f13	Peanut	Arachis hypogaea
25	f14	Soybean	Glycine max
26	f29	Banana	Musa x paradisiaca
27	f33	Orange	Citrus sinensis
28	f49	Apple	Malus domestica
29	f25	Tomato	Lycopersicon esculentum
30	f181	Avocado	Persea americana
31	f3	Cod	Gadus morhua
32	fx110 (f40) (f41)	Fishmix (Tuna) (Salmon)	 (Thunnus albacares) (Salmo salar)
33	fx111 (f24) (f80) (f37)	Shellfish mix (Shrimp) (Lobster) (Blue mussel)	 (Penaeus monodon) (Homarus gammarus) (Mytilus edulis)
34	f83	Chicken	Gallus gallus domesticus
35	f143	Turkey	Meleagris gallopavo
36	f26	Pork	Sus scrofa domestica
37	f27	Beef	Bos primigenius f. taurus
38	f97	Cacao	Theobroma cacao
39	c267	CCD	CCD*
40	IgE	total IgE	total IgE

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AESKUBLOTS® Allergy THREE

No.	Code	English Name	Scientific Name
1	f1	Egg white	Gallus gallus domesticus
2	f199	Cow´s milk	Bos primigenius f. taurus
3	f4	Wheat	Triticum aestivum
4	f7	Oat	Avena sativa
5	f8	Maize	Zea mays
6	f9	Rice	Oryza sativa
7	f10	Sesame	Sesamum indicum
8	f89	Mustard	Sinapis alba
9	f13	Peanut	Arachis hypogaea
10	f14	Soybean	Glycine max
11	f49	Apple	Malus domestica
12	f29	Banana	Musa x paradisiaca
13	f91	Mango	Mangifera indica
14	f52	Pineapple	Ananas comosus
15	f31	Carrot	Daucus carota
16	f47	Garlic	Allium sativum
17	s15	Ginger	Zingiber officinale
18	f16	Walnut	Juglans regia
19	fx102 (f20) (f36) (f204)	Nut mix (Almond) (Coconut) (Cashew nut)	 (Prunus amygdalus) (Cocos nucifera) (Anacardium occidentale)
20	f24	Shrimp	Penaeus monodon
21	f23	Crab	Callinectes sapidus
22	fx103 (f40) (f171) (f173)	Fish mix (Tuna) (Mackerel) (Sardine)	 (Thunnus lbacares) (Scomber scombrus) (Sardina pilchardus)
23	f83	Chicken	Gallus gallus domesticus
24	fx101 (f26) (f27) (f88)	Red meat mix (Pork) (Beef) (Lamb)	 (Sus scrofa domestica) (Bos primigenius f. taurus) (Ovis aries)
25	IgE	total IgE	total IgE

AESKUBLOTS® Allergy FIVE

No.	Code	English Name	Scientific Name
1	f25	Tomato	Lycopersicon esculentum
2	f31	Carrot	Daucus carota
3	f85	Celery	Apium graveolens
4	f89	Mustard	Sinapis alba
5	f33	Orange	Citrus sinensis
6	f44	Strawberry	Fragaria vesca
7	f49	Apple	Malus domestica
8	f53	Peach	Prunus persica
9	f84	Kiwi fruit	Actinidia deliciosa
10	f1	Egg white	Gallus gallus domesticus
11	f199	Cow´s milk	Bos primigenius f. taurus
12	f3	Cod	Gadus morhua
13	f41	Salmon	Salmo salar
14	f23	Crab	Callineticus sapidus
15	f24	Shrimp	Penaeus monodon
16	fx693 (f26) (f27) (f83) (f88)	Meat mix (Pork) (Beef) (Chicken) (Lamb)	 (Sus scrofa domestica) (Bos primigenius f. taurus) (Gallus gallus domesticus) (Ovis aries)
17	f4	Wheat	Triticum aestivum
18	f9	Rice	Oryza sativa
19	f14	Soybean	Glycine max
20	f35	Potato	Solanum tuberosum
21	f13	Peanut	Arachis hypogaea
22	f17	Hazelnut	Corylus avellana
23	f20	Almond	Prunus amygdalus
24	CCD	CCD*	CCD*
25	IgE	total IgE	total IgE

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LISTS OF ALLERGENS

AESKUBLOTS® Allergy NINE

No.	Code	English Name	Scientific Name
1	f1	Egg white	Gallus gallus domesticus
2	f199	Cow´s milk	Bos primigenius f. taurus
3	f4	Wheat	Triticum aestivum
4	f8	Maize	Zea mays
5	f10	Sesame	Sesamum indicum
6	f13	Peanut	Arachis hypogaea
7	f14	Soybean	Glycine max
8	f16	Walnut	Juglans regia
9	f17	Hazelnut	Corylus avellana
10	f20	Almond	Prunus amygdalus
11	f204	Cashew nut	Anacardium occidentale
12	f24	Shrimp	Penaeus monodon
13	f242	Venus clam	Veneridae
14	f338	Scallop	Pecten maximus
15	f3	Cod	Gadus morhua
16	f40	Tuna	Thunnus albacares
17	f41	Salmon	Salmo salar
18	CCD	CCD*	CCD*
19	IgE	total IgE	total IgE

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AESKUBLOTS® Allergy ELEVEN

No.	Code	English Name	Scientific Name
1	f25	Tomato	Lycopersicon esculentum
2	f31	Carrot	Dacus carota
3	f85	Celery	Apium graveolens
4	f89	Mustard	Sinapsis alba
5	f47	Garlic	Allium odoratum
6	f48	Onion	Allium cepa
7	f29	Banana	Musa x paradisiaca
8	f33	Orange	Citrus sinensis
9	f44	Strawberry	Fragaria vesca
10	f49	Apple	Malus domestica
11	f53	Peach	Prunus persica
12	f84	Kiwi fruit	Actinidia deliciosa
13	f52	Pineapple	Ananas comosus
14	f91	Mango	Mangifera indica
15	f1	Egg white	Gallus gallus domesticus
16	f199	Cow´s milk	Bos primigenius f. taurus
17	f3	Cod	Gadus morhua
18	f41	Salmon	Salmo salar
19	f40	Tuna	Thunnus albacares
20	f24	Shrimp	Penaeus monodon
21	f27	Beef	Bos primigenius f. taurus
22	f88	Lamb	Ovis aries
23	f83	Chicken	Gallus gallus domesticus
24	f4	Wheat	Triticum aestivum
25	f6	Barley	Hordeum vulgare
26	f7	Oat	Avena sativa
27	f8	Maize	Zea mays
28	f9	Rice	Oryza sativa
29	f10	Sesame	Sesamum indicum
30	f14	Soybean	Glycine max
31	f13	Peanut	Arachis hypogaea
32	f950	Green bean	Phaseolus vulgaris
33	f35	Potato	Olanum tuberosum
34	s15	Ginger	Zingiber officinale
35	f16	Walnut	Juglans regia
36	f17	Hazelnut	Corylus avellana
37	f20	Almond	Prunus amygdalus
38	f204	Cashew nut	Anacardium occidentale
39	CCD	CCD*	CCD*
40	IgE	total IgE	total IgE

AESKUBLOTS® Allergy TWO

No.	Code	English Name	Scientific Name
1	d1	Dermatophagoides pteronyssinus	Dermatophagoides pteronyssinus
2	d2	Dermatophagoides farinae	Dermatophagoides farinae
3	d201	Blomia tropicalis	Blomia tropicalis
4	e1	Cat dander	Felis domesticus
5	e5	Dog dander	Canis familiaris
6	e73	Rat epithelium	Rattus norvegicus
7	g12	Rye	Secale cereale
8	g13	Velvet grass	Holcus lanatus
9	g2	Bermuda grass	Cynodon dactylon
10	g6	Timothy grass	Phleum pratense
11	g8	Kentucky blue grass	Poa pratensis
12	i6	German cockroach	Blattella germanica
13	k82	Latex	Hevea brasiliensis
14	m2	Cladosporium herbarum	Cladosporium herbarum
15	m3	Aspergillus fumigatus	Aspergillus fumigatus
16	t18	Blue gum	Eucalyptus globulus
17	t230	Pine	Pinus strobus
18	t3	Birch	Betula verrucosa, syn. pendula
19	t214	Date palm	Phoenix dactylifera
20	w1	Common ragweed	Ambrosia artemisiifo-lia
21	w10	Lamb's quarters	Chenopodium album
22	w13	Cocklebur	Xanthium commune
23	w6	Mugwort	Artemisia vulgaris
24	IgE	total IgE	total IgE
25	CCD	CCD*	CCD*

AESKUBLOTS® Allergy FOUR

No.	Code	English Name	Scientific Name
1	w1	Common Ragweed	Ambrosia artemisiifo-lia
2	w6	Mugwort	Artemisia vulgaris
3	w9	English plantain	Plantago lanceolata
4	w21	Pellitory	Parietaria judaica
5	dx2 (d1) (d2)	House dust mites (Dermatophagoides pteronyssinus) (Dermatophagoides farinae)	 (Dermatophagoides pteronyssinus) (Dermatophagoides farinae)
6	e1	Cat dander	Felis domesticus
7	e3	Horse dander	Equus caballus
8	e5	Dog dander	Canis familiaris
9	ix1 (i6) (i903)	Cockroach mix (German cockroach) (American cockroach)	 (Blattella germanica) (Periplaneta americana)
10	k81	Ficus	Ficus benjamina
11	k82	Latex	Hevea brasiliensis
12	m2	Cladosporium herbarum	Cladosporium herbarum
13	t216	Alder	Alnus glutinosa
14	t3	Birch	Betula verrucosa, syn. pendula
15	t4	Hazelnut	Corylus avellana
16	t9	Olive	Olea europaea
17	t14	Poplar	Populus deltoides
18	t23	Cypress	Cupressus sempervirens
19	g2	Bermuda grass	Cynodon dactylon
20	g17	Bahia grass	Paspalum notatum
21	gx17 (g1) (g3) (g5) (g8)	Grass mix (Sweet vernal grass) (Orchard grass) (Ryegrass) (Kentucky blue grass)	 (Anthoxanthum odoratum) (Dactylis glomerata) (Lolium perenne) (Poa pratensis)
22	g6	Timothy grass	Phleum pratense
23	g12	Rye	Secale cereale
24	CCD	CCD*	CCD*
25	IgE	total IgE	total IgE

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LISTS OF ALLERGENS

AESKUBLOTS® Allergy SIX

No.	Code	English Name	Scientific Name
1	w1	Common Ragweed	Ambrosia artemisiifolia
2	w6	Mugwort	Artemisia vulgaris
3	w9	English plantain	Plantago lanceolata
4	w21	Pellitory	Parietaria judaica
5	w20	Stinging nettle	Urtica dioica
6	e1	Cat dander	Felis domesticus
7	e3	Horse dander	Equus caballus
8	e5	Dog dander	Canis familiaris
9	d1	Dermatophagoides pteronyssinus	Dermatophagoides pteronyssinus
10	d2	Dermatophagoides farinae	Dermatophagoides farinae
11	k82	Latex	Hevea brasiliensis
12	m2	Cladosporium herbarum	Cladosporium herbarum
13	t216	Alder	Alnus glutinosa
14	t3	Birch	Betula verrucosa, syn. pendula
15	t4	Hazelnut	Corylus avellana
16	t7	Oak	Quercus alba
17	t25	Ash	Fraxinus excelsior
18	i1	Bee venom	Apis mellifera
19	i3	Wasp venom	Vespula spp.
20	i6	German cockroach	Blattella germanica
21	i903	American cockroach	Periplaneta americana
22	g6	Timothy grass	Phleum pratense
23	g12	Rye	Secale cereale
24	CCD	CCD*	CCD*
25	IgE	total IgE	total IgE

AESKUBLOTS® Allergy EIGHT

No.	Code	English Name	Scientific Name
1	d1	Dermatophagoides pteronyssinus	Dermatophagoides pteronyssinus
2	d2	Dermatophagoides farinae	Dermatophagoides farinae
3	e1	Cat dander	Felis domesticus
4	e5	Dog dander	Canis familiaris
5	e72	Mouse urine protein	Mus musculus
6	g2	Bermuda grass	Cynodon dactylon
7	g5	Ryegrass	Lolium perenne
8	g6	Timothy grass	Phleum pratense
9	g10	Johnson grass	Sorghum halepense
10	i6	German cockroach	Blattella germanica
11	m1	Penicillium notatum	Penicillium notatum
12	m2	Cladosporium herbarum	Cladosporium herbarum
13	m3	Aspergillus fumigatus	Aspergillus fumigatus
14	m6	Alternaria alternata	Alternaria alternata
15	t1	Box elder	Acer negundo
16	t2	Grey alder	Alnus incana
17	t3	Birch	Betula verrucosa, syn. pendula
18	t6	Mountain juniper	Juniperus ashei
19	t7	Oak	Quercus alba
20	t247	American elm	Ulmus americana
21	t9	Olive	Olea europaea
22	t10	Walnut	Juglans regia
23	t11	London plane	Platanus acerifolia
24	t14	Poplar	Populus deltoides
25	t25	Ash	Fraxinus excelsior
26	t19	Acacia	Acacia longifolia
27	t70	Mulberry	Morus alba
28	w1	Common ragweed	Ambrosia artemisiifo-lia
29	w6	Mugwort	Artemisia vulgaris
30	w11	Prickly saltwort	Salsola kali
31	w14	Common pigweed	Amaranthus retroflexus
32	w18	Sheep´s sorrel	Rumex acetosella
33	w20	Stinging nettle	Urtica dioica
34	CCD	CCD*	CCD*
35	IgE	total IgE	total IgE

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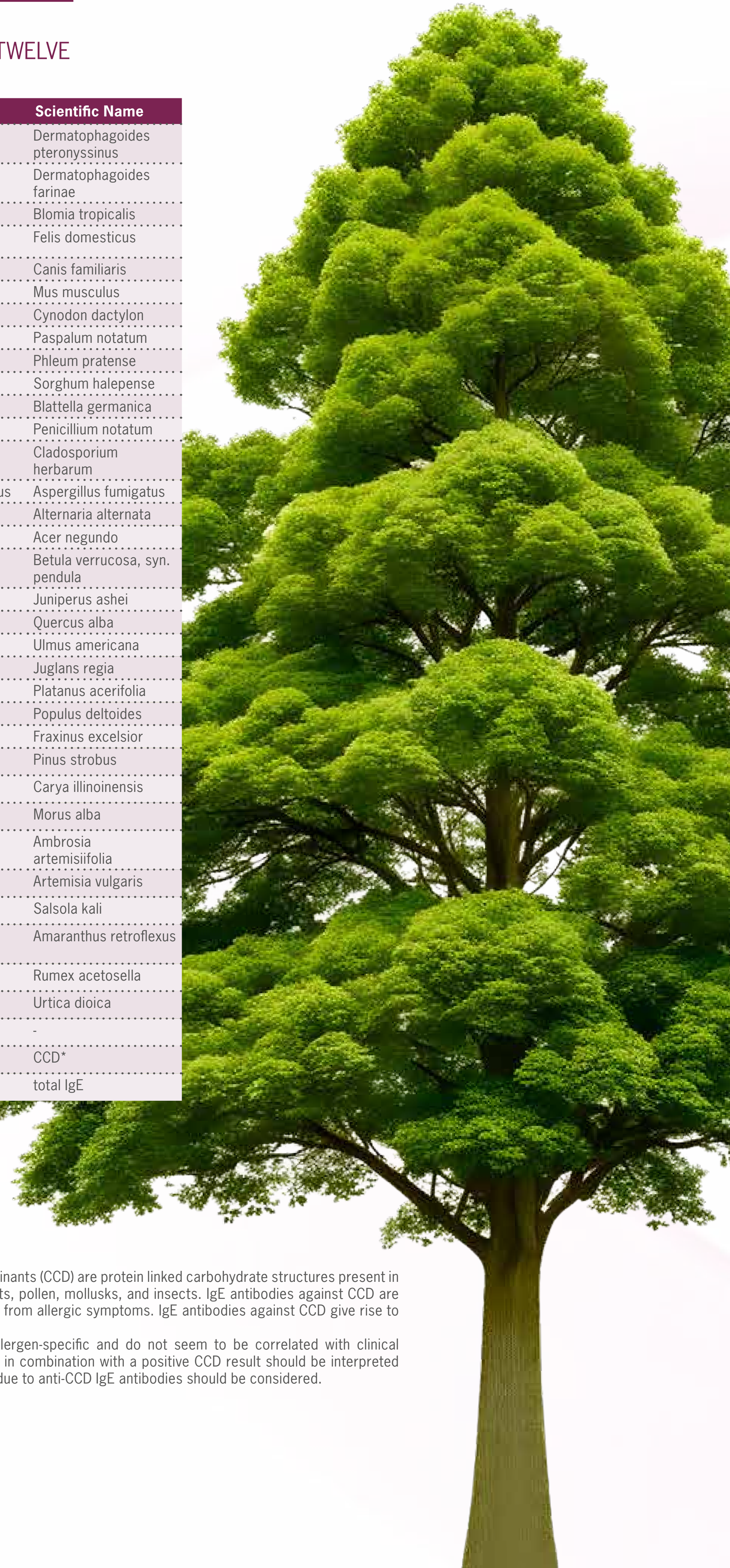
AESKUBLOTS® Allergy TWELVE

No.	Code	English Name	Scientific Name
1	d1	Dermatophagoides pteronyssinus	Dermatophagoides pteronyssinus
2	d2	Dermatophagoides farinae	Dermatophagoides farinae
3	d201	Blomia tropicalis	Blomia tropicalis
4	e1	Cat dander	Felis domesticus
5	e5	Dog dander	Canis familiaris
6	e72	Mouse urine protein	Mus musculus
7	g2	Bermuda grass	Cynodon dactylon
8	g17	Bahia grass	Paspalum notatum
9	g6	Timothy grass	Phleum pratense
10	g10	Johnson grass	Sorghum halepense
11	i6	German cockroach	Blattella germanica
12	m1	Penicillium notatum	Penicillium notatum
13	m2	Cladosporium herbarum	Cladosporium herbarum
14	m3	Aspergillus fumigatus	Aspergillus fumigatus
15	m6	Alternaria alternata	Alternaria alternata
16	t1	Box elder	Acer negundo
17	t3	Birch	Betula verrucosa, syn. pendula
18	t6	Mountain cedar	Juniperus ashei
19	t7	Oak	Quercus alba
20	t247	American elm	Ulmus americana
21	t10	Walnut	Juglans regia
22	t11	London plane	Platanus acerifolia
23	t14	Poplar	Populus deltoides
24	t25	Ash	Fraxinus excelsior
25	t230	Pine	Pinus strobus
26	t33	Pecan	Carya illinoinensis
27	t70	Mulberry	Morus alba
28	w1	Common ragweed	Ambrosia artemisiifolia
29	w6	Mugwort	Artemisia vulgaris
30	w11	Prickly saltwort	Salsola kali
31	w14	Common pigweed	Amaranthus retroflexus
32	w18	Sheep´s sorrel	Rumex acetosella
33	w20	Stinging nettle	Urtica dioica
34	w35	Rough marshelder	-
35	CCD	CCD*	CCD*
36	IgE	total IgE	total IgE



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LISTS OF ALLERGENS

AESKUBLOTS® Allergy SIX

No.	Code	English Name	Scientific Name
1	w1	Common Ragweed	Ambrosia artemisiifolia
2	w6	Mugwort	Artemisia vulgaris
3	w9	English plantain	Plantago lanceolata
4	w21	Pellitory	Parietaria judaica
5	w20	Stinging nettle	Urtica dioica
6	e1	Cat dander	Felis domesticus
7	e3	Horse dander	Equus caballus
8	e5	Dog dander	Canis familiaris
9	d1	Dermatophagoides pteronyssinus	Dermatophagoides pteronyssinus
10	d2	Dermatophagoides farinae	Dermatophagoides farinae
11	k82	Latex	Hevea brasiliensis
12	m2	Cladosporium herbarum	Cladosporium herbarum
13	t216	Alder	Alnus glutinosa
14	t3	Birch	Betula verrucosa, syn. pendula
15	t4	Hazelnut	Corylus avellana
16	t7	Oak	Quercus alba
17	t25	Ash	Fraxinus excelsior
18	i1	Bee venom	Apis mellifera
19	i3	Wasp venom	Vespula spp.
20	i6	German cockroach	Blattella germanica
21	i903	American cockroach	Periplaneta americana
22	g6	Timothy grass	Phleum pratense
23	g12	Rye	Secale cereale
24	CCD	CCD*	CCD*
25	IgE	total IgE	total IgE

AESKUBLOTS® ALLERGY VENOM

AESKUBLOTS® Allergy TEN

No.	Code	English Name	Scientific Name
1	d1	Dermatophagoides pteronyssinus	Dermatophagoides pteronyssinus
2	d2	Dermatophagoides farinae	Dermatophagoides farinae
3	e1	Cat dander	Felis domesticus
4	e5	Dog dander	Canis familiaris
5	e72	Mouse urine protein	Mus musculus
6	i6	German cockroach	Blattella germanica
7	m2	Cladosporium herbarum	Cladosporium herbarum
8	m6	Alternaria alternata	Alternaria alternata
9	f1	Egg white	Gallus gallus domesticus
10	f199	Cow´s milk	Bos primigenius f. taurus
11	f4	Wheat	Triticum aestivum
12	f13	Peanut	Arachis hypogaea
13	f14	Soybean	Glycine max
14	f16	Walnut	Juglans regia
15	f3	Cod	Gadus morhua
16	f24	Shrimp	Penaeus monodon
17	CCD	CCD*	CCD*
18	IgE	total IgE	total IgE

AESKUBLOTS® ALLERGY PEDIATRIC

*Cross-reactive carbohydrate determinants (CCD) are protein linked carbohydrate structures present in a wide range of allergens from plants, pollen, mollusks, and insects. IgE antibodies against CCD are present in 25% of patients suffering from allergic symptoms. IgE antibodies against CCD give rise to the impression of polysensitization.

Anti-CCD IgE antibodies are not allergen-specific and do not seem to be correlated with clinical symptoms. Multiple positive results in combination with a positive CCD result should be interpreted carefully, and false-positive results due to anti-CCD IgE antibodies should be considered.

PRODUCT HIGHLIGHTS

Highlights of ***AESKUBLOTS®*** *Allergy*

- Both full automation and manual processing options are possible,tailored to your specific workflow requirements
- Excellent correlation with the ImmunoCAP system
- Up to 40 allergens determined on one strip
- Screening and differentiation in one assay
- Quantitative results shown in kU/L and CAP classes
- Standards, negative and functional controls on each strip

Introducing ***AESKUCARE***® *Allergy* Point-of-Care Test (POC), designed for seamless integration into daily clinical workflows. Elevate your diagnostic capabilities and prioritize patient comfort with our innovative Point-of-Care solution.

Our rapid allergy test covers 90%* of the most prevalent allergies worldwide, including inhalation and food. Visual categorization into 5 levels enables easy classification of allergy results into respective sensitization classes.

> *Instant Insights, Accurate Answers: Redefining Allergy Diagnostics with **AESKUCARE**® Allergy*

With ***AESKUCARE***® *Allergy*, identifying allergies becomes more efficient and accurate, empowering healthcare professionals with rapid, reliable results for the diagnosis of type 1 hypersensitivity.

***References:**

Kleine-Tebbe et al. In-vitro Diagnostik und molekulare Grundlagen von IgE-vermittelten Nahrungsmittelallergien. Allergo J 2009; 18: 132-46; Heinzerling et al. Standard skin prick testing and sensitization to inhalant allergens across Europe – a survey from the GALEN network. Allergy 2005; 60: 1287-1300

AESKUCARE®
POINT-OF-CARE TESTING
FAST AND RELIABLE SCREENING

ALLERGY POINT-OF-CARE TEST

Test features & benefits:

- 30-minute POC test
- All-In-One test kit
- Only few drops of finger prick blood required
- Healthcare professionals can test their patients during consultation, no waiting for laboratory test results
- Screening up to 35 allergens simultaneously
- Semi-Quantitative results
- Visual interpretation of the test results

Test kit components:

- The ***AESKUCARE***® *Allergy* test cassette
- Color coded reagents
- Descriptive instructions with illustrative pictures
- Blood collection set with alcohol swab, safety lancet, capillary tube (lithium heparin), cotton swab and adhesive bandage
- Syringe for injecting the blood sample and reagents
- Evaluation sheet for documenting patient’s test results

Ref No.	Product Name	Category	Format	Allergens
AESKUCARE® *Allergy*				
820101	Allergy ONE	Atopy	1 cassette 25 allergens	w1, w6, g6, gx17 (g1, g3, g5, g8), g12, t3, kx1 (k81, k82), e1, e5, dx2 (d1, d2), f1, f199, f3, f4, f13, f14, f85, f20, f16, f17
820102	Allergy TWO	Atopy	1 cassette 35 allergens	w1, w6, mx1 (m1, m2, m3, m6), i6, h1, tx21 (t12, t14, t247), w22, e1, e5, dx2 (d1, d2), f1, f199, fx704 (f41, f324, f233), fx722 (f3, f80, f338), f13, f14, fx153 (f44, f49, f52, f53, f91), fx246 (f27, f88), fx272 (f24, f241), total IgE
820201	Allergy THREE	Inhalation	1 cassette 31 allergens	w1, w6, g6, gx17, (g1, g3, g5, g8), g12, t3, kx1 (k81, k82), e1, e5, dx2 (d1, d2), tx19 (t216, t4), i1, g2, g17, d201, t9, tx21 (t12, t14, t247), mx1 (m1, m2, m3, m6), ix1 (i6, i903), total IgE
820301	Allergy FOUR	Food	1 cassette 25 allergens	f1, f199, f3, f4, f13, f14, f85, f20, f16, f17, f25, f49, fx704 (f41, f324, f233), f24, fx693 (f26, f27, f83, f88), f31, fx166 (f84, f33), f35, CCD*, total IgE

AESKUCARE® ALLERGY TEST PANELS

AESKUCARE® *Allergy* ***ONE*** *(Atopy)*	
Pollen	Common ragweed, Mugwort, Timothy grass, Rye, Silver birch **Grass mix** (Sweet vernal grass, Orchard grass, Perennial rye grass, Kentucky blue grass)
Plants	**Ficus/Latex mix** (Ficus benjamina, Hevea brasiliensis)
Dander	Cat Dander, Dog Dander
House Dust	**House dust mites** (Dermathophagoides pteronyssinus, Dermathophagoides farinae)
Foods	Egg white, Milk, Cod, Wheat, Peanut, Soy, Celery, Almond, Walnut, Hazelnut

AESKUCARE® *Allergy* ***TWO*** *(Atopy)*	*total IgE*
Pollen	Common ragweed, Mugwort, Japanese Hops **Tree mix** (Willow, Poplar, Elm)
Mold	**Mold mix** (Penicillium notatum, Cladosporium herbarum, Aspergillus fumigatus, Alternaria alternata)
Dander	Cat Dander, Dog Dander
House Dust	**House dust mites** (Dermathophagoides pteronyssinus, Dermathophagoides farinae), House dust
Foods	Egg white, Milk, Peanut, Soy **Fish mix** (Salmon, Carp, Bass or Perch) **Sea food mix** (Cod, Lobster, Scallop) **Fruit mix** (Strawberry, Apple, Pineapple, Peach, Mango) **Meat mix** (Beef, Mutton) **Shellfish mix** (Shrimp, Crab)
Insects	Cockroach

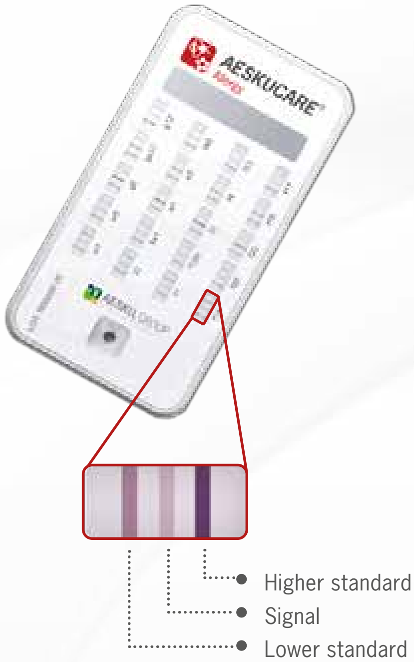
AESKUCARE® *Allergy* ***THREE*** *(Inhalation)*	*total IgE*
Pollen	Common ragweed, Mugwort, Timothy grass, Rye, Silver birch, Bermuda grass, Bahia grass, Olive **Grass mix** (Sweet vernal grass, Orchard grass, Perennial rye grass, Kentucky blue grass) **Tree mix** (Alder, Hazelnut) **Tree mix** (Goat willow, Poplar, Elm)
Plant related	Blomia tropicalis **Ficus/Latex mix** (Ficus benjamina, Hevea brasiliensis)
Dander	Cat Dander, Dog Dander
House Dust	**House dust mites** (Dermathophagoides pteronyssinus, Dermathophagoides farinae)
Mold	Mold mix (Penicillium notatum, Cladosporium herbarum, Aspergillus fumigatus, Alternaria alternata)
Insects	Bee Venom **Cockroaches** (German cockroach, American cockroach)

AESKUCARE® *Allergy* ***FOUR*** *(Food)*	*total IgE*
Food and CCD	Egg white, Milk, Cod, Wheat, Peanut, Soy, Celery, Almond, Walnut, Hazelnut, Tomato, Apple, Shrimp, Carrot, Potato **Tropical fruits** (Kiwi fruit, Orange) **Fish mix** (Salmon, Perch, Carp) **Meat** (Pork, Beef, Chicken, Lamb) **CCD** (Cross-reactive carbohydrate determinants)

Correlation between ***AESKUCARE***® *Allergy* – Level, Sensitization, CAP class and sIgE

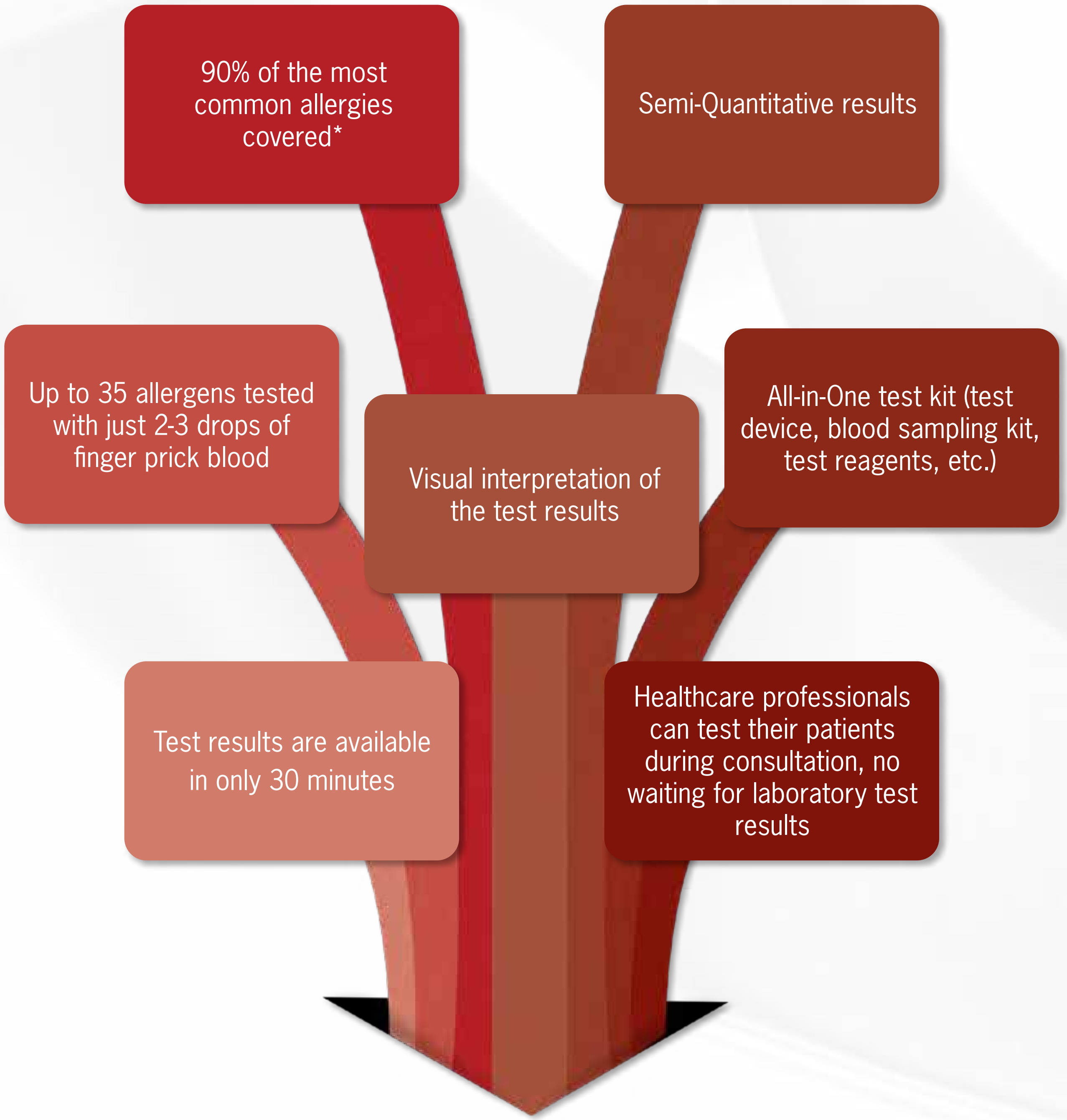
AESKUCARE® Level	Sensitization	CAP Class	sIgE [kUA/L]	Signal
1	low	0 - 2	0 - 3.4	
2*	moderate	2 - 3	0.7 - 17.4	
3	high	3 - 4	3.5 - 49.9	
4*	very high	4 - 5	17.5 - 100	
5	very high	5 - 6	> 50	

* Both ***AESKUCARE***® Allergy controls are consistent with the ***AESKUCARE***® Allergy levels 2 and 4. CAP class 2 is usually regarded as borderline sensitization.



PRODUCT HIGHLIGHTS

Highlights of ***AESKUCARE***® *Allergy*



** Kleine-Tebbe et al. In-vitro Diagnostik und molekulare Grundlagen von IgE-vermittelten Nahrungsmittelallergien. Allergo J 2009; 18: 132-46; Heinzerling et al. Standard skin prick testing and sensitization to inhalant allergens across Europe – a survey from the GALEN network. Allergy 2005; 60: 1287-1300*

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