

PROTIA™ Allergy-Q

MULTIPLE ALLERGEN SIMULTANEOUS TEST

PROTIA™ Allergy-Q64S Combo Panel



PROTIA™ Allergy-Q system



[PROTIA™ Allergy-Q]



[Q-Station Elite]



[Q-Scan*]

Intended use

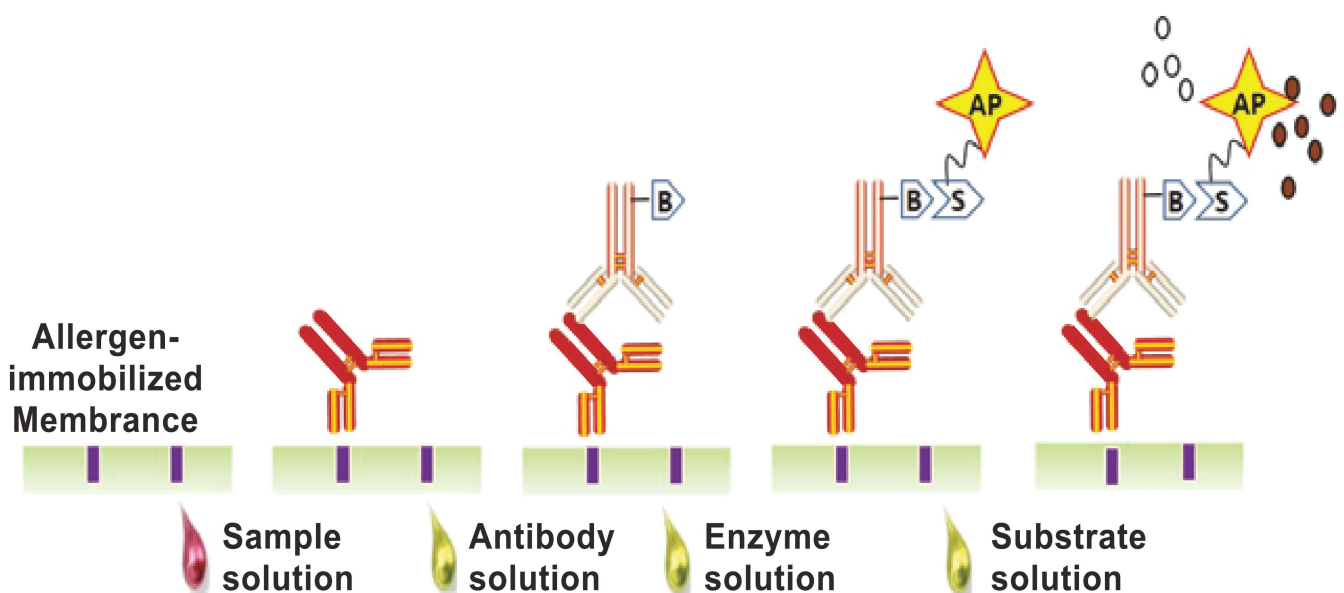
✓ Assay kit for quantitative determination of specific IgE antibodies against individual allergens in human serum using immunoblotting technique

✓ In vitro diagnostic use (IVD)

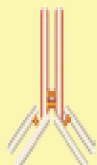
Characteristics of PROTIA™ Allergy-Q

- 1) The World ' s highest allergen count in a strip panel.
 - Over 60 allergens per strip, total 134 allergens.
- 2) Compact configuration
 - Two columns of allergen loaded in a single strip to save time and cost.
 - Increases the number of analyzed allergen per operation by twice.
- 3) Small blood volume for testing
 - Requires only 50 μ L of serum or plasma for over 60 allergens test (useful for pediatric purpose)
- 4) On-strip calibration
 - Quantitative analysis by the use of multiple standard lines in a single strip
- 5) Clear and informative report format

Mechanism of analysis



: sIgE in Sample



: anti-h-IgE

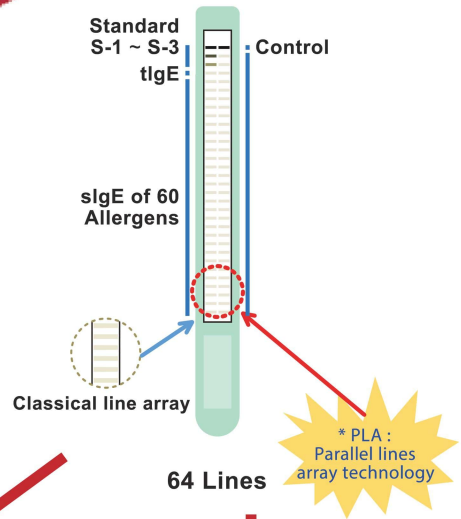
B: Biotin S: Streptavidin AP: Alkaline Phosphatase

O: Substrate

●: Colored product

PROTIA™ Allergy-Q64S technology

- 60+ allergens coated in a single panel
 - Parallel lines array (PLA) multiplex biochip technology (Patent registered KR 1570327)
- Number of allergens
 - Combo panel (63 allergens)
- Internal calibration by standard lines in each strip



Full automatic method



[Q-Station Elite]

Manual method



[Q-Scan+]

- Full automatic system
- 48 tests in one process
- Operation of multiple instruments with one PC
- Combo panel (64 allergens)
- Combo panel (64 allergens) reading
- Light weight (4.8kg)
- Compact design (24 X 11 X 26cm)

PROTIA™ Allergy-Q64S Allergen Profile including Total IgE



PROTIA™ Allergy-Q Inhalant panel	
1	Total IgE
2	Housedust
3	D. Pteronyssinus
4	D. Farinae
5	Cat epithelium & dander
6	Dog dander
7	Cockroach
8	Rye (Cultivated rye)
9	Common ragweed
10	Timothy grass (g6)
11	Alternaria alternata (m6)
12	Aspergillus fumigatus
13	Penicillium notatum
14	Candida albicans
15	Olive pollen
16	Bee venom
17	Horse
18	Mouse/Rat
19	Rabbit
20	Wool (sheep)


21	Acarus siro
22	Tyrophagus putrescentiae
23	Acacia
24	White ash
25	CCD (o214)
PROTIA™ Allergy-Q Food panel	
26	Yeast baker's
27	Almond
28	Hazel nut
29	Coconut
30	Egg white
31	Egg yolk
32	Milk
33	Cheese
34	Peanut
35	Soybean
36	Wheat
37	Shrimp
38	Lobster
39	Codfish
40	Barley

41	Rice
42	Pea
43	Sesame
44	Apple
45	Mango/Banana
46	Peach
47	Strawberry
48	Tomato
49	Corn
50	Carrot
51	Potato
52	Garlic/Onion
53	Pumpkin
54	Eggplant
55	Cucumber
56	Orange
57	Pork
58	Beef
59	Chicken
60	Lamb meat

Clear and informative report format

- ▷ Type of allergen panel
- ▷ Sample information
- ▷ Test information
- ▷ Analyst's comments
- ▷ Allergen information
- ▷ Photo of the result panel
- ▷ IU/mL, Class representation (bar chart)
- ▷ Class information (Classification of specific IgE concentration)

	ProteomeTech Inc.	Medical Report	PROTIA™ Allergy-Q																																																																																																																																																																																																																																																																																																																				
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53	Pumpkin	f225	4.46	3																																																																																																																																																																																																																																																																																																																			
54	Eggplant	f262	<0.15	0																																																																																																																																																																																																																																																																																																																			
55	Cucumber	f244	<0.15	0																																																																																																																																																																																																																																																																																																																			
56	Orange	f33	<0.15	0																																																																																																																																																																																																																																																																																																																			
57	Pork	f26	<0.15	0																																																																																																																																																																																																																																																																																																																			
58	Beef	f27	<0.15	0																																																																																																																																																																																																																																																																																																																			
59	Chicken	f83	<0.15	0																																																																																																																																																																																																																																																																																																																			
60	Lamb meat	f88	<0.15	0																																																																																																																																																																																																																																																																																																																			
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<0.34	0	Not found																																																																																																																																																																																																																																																																																																																					
0.35-0.69	1	Weak																																																																																																																																																																																																																																																																																																																					
0.70-3.49	2	Moderate																																																																																																																																																																																																																																																																																																																					
3.50-17.49	3	Moderately strong																																																																																																																																																																																																																																																																																																																					
17.50-49.99	4	Strong																																																																																																																																																																																																																																																																																																																					
50.00-99.99	5	Very strong																																																																																																																																																																																																																																																																																																																					
>100.00	6	Extremely strong																																																																																																																																																																																																																																																																																																																					
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 Jang Young-Shil Award from Ministry of Science, ICT and Future Plannig, Republic of Korea in 2015.

 2016 Korea Technology Awards, Ministry of Trade, Industry and Energy, Republic of Korea in 2016.

[Storage Instructions] Store at 2~80C [Packaging Unit] 1 kit (for 20 tests)

[Shelf Life] 18 months after date of manufacture (3 months after package open)

[Manufacturer] ProteomeTech Inc. A-702, Yangcheon-ro 401, Gangseo-gu, Seoul, Korea

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