

# **ELISA 2.0**

Quantitative Allergen Immunoassay Kit



- White Paper -

February 2024

Developed and manufactured by

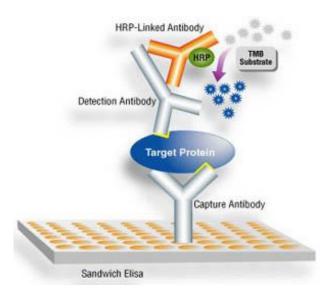




#### INTRODUCTION

Enzyme Linked Immunosorbent Assay (ELISA) was developed in the early 1970s as an antibody-based method for measuring specific analytes in biological and biomedical systems. Because of the relative ease of use, potential for high throughput screening, and readily available reagents, ELISA has become a standard technique used worldwide with applications ranging from antibody and cytokine testing to environmental allergen and food safety testing.

While ELISA formats vary in complexity (indirect, sandwich, competitive), they all share common characteristics:



- Antibody or antigen immobilized onto a solid surface (e.g. a 96-well microtiter plate) to capture a specific analyte in solution.
- Enzyme-conjugated antibody with specificity for the captured analyte or the surface-bound antigen.
- Enzyme substrate that generates a measurable signal by color development, luminescence, or fluorescence.

Over the past 25 years, InBio has built a comprehensive portfolio of proprietary, allergenspecific antibodies to allow the development of more than 40 different ELISA kits for the detection of dust mite, cockroach, mold, pollen, animal, and food allergens.

#### **ELISA 2.0**

InBio's ELISA 2.0 kits include all reagents and buffers needed to perform the assay and allow the analyses to be completed in approximately 2.0 hours.

- Pre-coated plates reduce the potential for operator error
- Validated using InBio's purified allergens
- Enhanced sensitivity and performance
- A complete list of ELISA 2.0 assays is shown in the Appendix on pages 7-8

ELISA 2.0 kits are available in single, five, and 25-plate format and include the following:

- 96-well microtiter plate(s) pre-coated with capture antibody
- Calibration standard formulated from purified natural or recombinant allergen\*
- Detection antibody
- Enzyme conjugate or conjugated secondary antibody (assay-dependent)
- TMB enzyme substrate
- Stop solution
- Assay buffer concentrate
- Wash buffer concentrate

\*Purified allergens are manufactured by InBio's ISO 9001:2015 certified laboratory and are validated using mass spectrometry, ELISA, and human IgE antibody binding.

ELISA 2.0 has been optimized to achieve maximum sensitivity and signal-to-noise ratio, while offering convenience and reproducible performance. Validated performance parameters for InBio's ELISA 2.0 kits for allergen measurement are provided in **Tables 1-5**.

**Note:** this product line is continually expanding; please visit our website at <a href="https://www.store.inbio.com/elisa-2.0">www.store.inbio.com/elisa-2.0</a> for the current ELISA 2.0 catalog.



 Table 1. House Dust Mite and Storage Mite ELISA 2.0 Performance Characteristics

Allergen:	Blo t 5	Der f 1	Der f 2	Der p 1	Der p 1a	Der p 2	Der p 23	Tyr p 2
Linearity (R <sup>2</sup> ) <sup>1</sup>	0.999	0.999	0.999	1	1	0.999	0.998	0.999
Range (ng/ml) <sup>2</sup>	7.5-0.12	25-0.39	62.5-0.98	100-0.78	50-1.56	12.5-0.1	25-0.39	250-7.81
Limit of Quantification <sup>3</sup>								
LLOQ (ng/ml)³a	0.23-0.12	0.39-0.19	1.95-0.49	1.56-0.39	1.56-0.39	0.4-0.1	1.56-0.39	7.8-1.95
ULOQ (ng/ml)³b	30-7.5	25-12.5	250-62.5	50-25	50-6.25	25-6.25	25-12.5	500-250
Accuracy (% Recovery) <sup>4</sup>								
Intra-assay (n=9) <sup>4a</sup>	84-130%	88-118%	73-118%	98-117%	82-129%	33-132%	87-129%	93-116%
Inter-assay (n=54) <sup>4b</sup>	105%	106%	88%	103%	107%	104%	101%	108%
Precision (%CV)⁵								
Intra-assay (n=9) <sup>5a</sup>	1-16%	5-15%	1-12%	4-13%	1-23%	4-14%	3-11%	3-9%
Inter-assay (n=54) <sup>5b</sup>	8%	10%	7%	8%	11%	7%	8%	6%

Table 2. Animal and Cockroach ELISA 2.0 Performance Characteristics

Allergen:	Can f 1	Fel d 1	Fel d 4	Mus m 1	Ory c 3	Rat n 1	Bla g 1	Bla g 2	Bla g 5	Per a 7
Linearity (R <sup>2</sup> ) <sup>1</sup>	1	0.999	1	1	1	1	1	0.999	0.999	0.999
Range (ng/ml) <sup>2</sup>	25-0.39	25-0.19	5-0.04	25-0.10	20-0.16	12.5-0.19	50-0.39	100-0.39	125-1.95	12.5-0.19
Limit of Quantification	n <sup>3</sup>									
LLOQ (ng/ml) <sup>3a</sup>	0.39	0.39-0.19	0.31-0.02	0.19-0.1	0.31-0.08	0.39-0.19	0.78-0.19	1.56-0.39	7.81-1.95	0.39-0.19
ULOQ (ng/ml)³b	25	25-12.5	5	25-12.5	20-5	50-25	50-25	50-25	250-125	50-6.25
Accuracy (% Recover	r <b>y)</b> <sup>4</sup>									
Intra-assay (n=9) <sup>4a</sup>	83-103%	96-129%	93-106%	91-113%	90-115%	85-129%	71-108%	92-113%	77-113%	71-110%
Inter-assay (n=54)4b	91%	113%	97%	103%	104%	102%	94%	101%	102%	99%
Precision (%CV)⁵										
Intra-assay (n=9) <sup>5a</sup>	5-18%	4-13%	4-8%	5-9%	2-14%	6-12%	3-9%	5-15%	4-12%	3-13%
Inter-assay (n=54) <sup>5b</sup>	9%	9%	6%	8%	6%	10%	6%	10%	8%	7%

Table 3. Mold and Pollen ELISA 2.0 Performance Characteristics

Allergen:	Alt a 1	Asp f 1	Amb a 1	Bet v 1	Cry j 1	Lol p 1	Phl p 5
Linearity (R <sup>2</sup> ) <sup>1</sup>	1	1	1	0.999	1	0.994	1
Range (ng/ml) <sup>2</sup>	25-0.1	40-0.31	100-0.78	50-0.39	50-0.78	125-7.81	250-0.98
Limit of Quantification <sup>3</sup>							
LLOQ (ng/ml)³a	0.4-0.1	0.63-0.16	1.56-0.78	0.39	0.78-0.39	15.63-3.91	1.95-0.98
ULOQ (ng/ml)³b	25-6.25	40-20	200-25	100-50	50-25	250-125	250-62.5
Accuracy (% Recovery)⁴							
Intra-assay (n=9)4a	90-115%	78-115%	90-108%	82-120%	94-106%	81-112%	85-120%
Inter-assay (n=54) <sup>4b</sup>	99%	95%	100%	100%	100%	96%	103%
Precision (%CV)⁵							
Intra-assay (n=9)⁵a	3-11%	4-22%	6-12%	1-9%	6-16%	7-16%	7-10%
Inter-assay (n=54) <sup>5b</sup>	6%	12%	8%	7%	10%	12%	9%

Table 4. Peanut and Tree Nut ELISA 2.0 Performance Characteristics

Allergen:	Ara h 1	Ara h 2	Ara h 3	Ara h 6	Ara h 8	Ana o 3	Cor a 9	Jug r 1	Pru du 6
Linearity (R <sup>2</sup> ) <sup>1</sup>	1	0.999	0.999	1	1	1	0.998	0.997	0.999
Range (ng/ml) <sup>2</sup>	1,000-31.25	125-0.98	62.5-0.49	25-0.05	12.5-0.19	20-0.16	50-0.39	25-0.39	125-0.49
<b>Limit of Quantificatio</b>	n³								
LLOQ (ng/ml) <sup>3a</sup>	31.25-15.63	3.91-0.49	1.95-0.49	0.2-0.05	1.56-0.2	0.16	0.78-0.39	0.78-0.39	3.91-0.49
ULOQ (ng/ml) <sup>3b</sup>	1,000	250-31.25	62.5-31.25	25-12.5	25-6.25	20-5	100-12.5	50-6.25	125-31.25
Accuracy (% Recover	ry)⁴								
Intra-assay (n=9)⁴a	82-124%	80-116%	74-127%	105-113%	100-109%	85-110%	75-112%	86-119%	92-115%
Inter-assay (n=54)4b	109%	101%	97%	108%	102%	99%	93%	108%	102%
Precision (%CV) <sup>5</sup>									
Intra-assay (n=9) <sup>5a</sup>	3-12%	7-14%	3-11%	7-13%	3-15%	4-10%	5-15%	6-12%	4-15%
Inter-assay (n=54) <sup>5b</sup>	8%	10%	5%	8%	8%	8%	10%	9%	7%

Table 5. Food (non-nut) ELISA 2.0 Performance Characteristics

Allergen:	Api g 1	Bos d 5	Bos d 11	Сур с 1	Gal d 1	Gal d 2	Gly m 5	Shrimp	Ses i 1	Sin a 1
Linearity (R <sup>2</sup> ) <sup>1</sup>	0.999	1	1	0.997	1	1	1	0.999	0.999	0.999
Range (ng/ml) <sup>2</sup>	100-1.56	12.5-0.1	500-7.81	62.5-0.98	250-7.81	50-0.39	250-1.95	25-0.20	25-0.20	15-0.06
<b>Limit of Quantificat</b>	ion³									
LLOQ (ng/ml)³a	6.25-1.56	0.78-0.1	7.81-1.95	3.90-0.98	7.8-3.9	0.78-0.39	3.91-1.95	0.39-0.1	0.40-0.10	0.06-0.03
ULOQ (ng/ml) <sup>3b</sup>	200-50	25-12.5	500-125	125-31.25	250	100-25	250-62.5	25-6.25	25-12.5	15-7.5
Accuracy (% Recov	ery) <sup>4</sup>									
Intra-assay (n=9)4a	81-131%	84-120%	80-128%	71-120%	89-101%	91-132%	93-119%	95-115%	71-131%	70-132%
Inter-assay (n=54)4b	108%	103%	94%	86%	95%	104%	105%	108%	109%	96%
Precision (%CV) <sup>5</sup>										
Intra-assay (n=9) <sup>5a</sup>	3-11%	4-9%	2-16%	2-16%	8-13%	5-16%	5-11%	4-14%	3-27%	3-16%
Inter-assay (n=54) <sup>5b</sup>	7%	6%	7%	7%	9%	11%	8%	7%	10%	8%

- 1. Linearity is the mean R<sup>2</sup> of six ELISA plates for control curves generated using 4-parameter logistic fit.
- 2. Range is the average usable range of control curves from six ELISA plates that have a value of 70-130% of the expected concentration, with %CV< 15 between duplicate points.
- 3. Limit of Quantification two distinctions
  - 3a. LLOQ The lowest concentration points of six control curves with a recovery of 70-130% and %CV < 15, expressed as a range.
  - 3b. ULOQ The highest concentration points of six control curves with a recovery of 70-130% and %CV < 15, expressed as a range.
- 4. Accuracy two distinctions
  - 4a. Intra-assay The range of average percent recovery of samples A, B, and C run in triplicate from six ELISA plates (n=9).
  - 4b. Inter-assay The overall average percent recovery of samples A, B, and C run in triplicate from six ELISA plates (n=54).
- 5. Precision two distinctions
  - 5a. Intra-assay The range of average percent coefficient of variation of samples A, B, and C run in triplicate from six ELISA plates (n=9).
  - 5b. Inter-assay The overall average percent coefficient of variation of samples A, B, and C run in triplicate from six ELISA plates (n=54).

#### **SUMMARY**

ELISA 2.0 kits enable rapid, reliable, and quantitative allergen measurements. Complete assay kits with pre-coated plates offer convenience, while validated reagents ensure consistent results and enhanced performance characteristics.

Please visit <a href="http://www.inbio.com">http://www.inbio.com</a> to see InBio's full range of products and services.

## **ELISA 2.0**

#### **Complete Kits for Quantitative Allergen Detection**

#### Convenience: Just Add Water! \*

- ✓ Kits include all reagents
- ✓ No buffer preparation required

#### **Faster Results with Pre-coated Plates:**

- ✓ No overnight incubation
- ✓ Be spontaneous same day testing!
- ✓ Results in 2 hours

### **Improved Performance:**

- ✓ Increased assay sensitivity
- ✓ Reduced potential for operator error
- ✓ Consistent performance with validated assay reagents
- ✓ Ready for regulatory compliance



\*Type I ultrapure water or 18.2MΩ de-ionized water required to dilute buffer concentrates

## **Appendix: Complete list of ELISA 2.0 assays (February 2024)**

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HOUSE DUST MITE AL	LERGENS		Product Code						
<b>Product Description</b>	Antibody Pairs	1 Plate	5 Plates	25 Plates					
Blo t 5	Rabbit anti Blo t 5/ Rabbit anti Blo t 5	EPC-BT5-1	EPC-BT5-5	EPC-BT5-25					
Der f 1	6A8/4C1	EPC-DF1-1	EPC-DF1-5	EPC-DF1-25					
Der f 2	1D8/7A1	EPC-DF2-1	EPC-DF2-5	EPC-DF2-25					
Der p 1	5H8/4C1	EPC-DP1-1	EPC-DP1-5	EPC-DP1-25					
Der p 1a	10B9/5H8	EPC-DP1A-1	EPC-DP1A-5	EPC-DP1A-25					
Der p 2	1D8/7A1	EPC-D2-1	EPC-D2-5	EPC-D2-25					
Der p 23	Rabbit anti Der p 23/7A8	EPC-DP23-1	EPC-DP23-5	EPC-DP23-25					
STORAGE MITE ALLER	RGENS		Product Code						
<b>Product Description</b>	Antibody Pairs	1 Plate	5 Plates	25 Plates					
Tyr p 2	Rabbit anti Tyr p 2/Rabbit anti Tyr p 2	EPC-TP2-1	EPC-TP2-5	EPC-TP2-25					
COCKROACH ALLERG	ENS		Product Code						
<b>Product Description</b>	Antibody Pairs	1 Plate	5 Plates	25 Plates					
Bla g 1	10A6/Rabbit anti Bla g 1	EPC-BG1-1	EPC-BG1-5	EPC-BG1-25					
Bla g 2	7C11/Rabbit anti Bla g 2	EPC-BG2-1	EPC-BG2-5	EPC-BG2-25					
Bla g 5	17B12/Rabbit anti Bla g 5	EPC-BG5-1	EPC-BG5-5	EPC-BG5-25					
Per a 7	Rabbit anti Shrimp Tropomyosin/1A6	EPC-PA7-1	EPC-PA7-5	EPC-PA7-25					
ANIMAL ALLERGENS			Product Code						
<b>Product Description</b>	Antibody Pairs	1 Plate	5 Plates	25 Plates					
Can f 1 (Dog)	10D4/Rabbit anti Can f 1	EPC-CF1-1	EPC-CF1-5	EPC-CF1-25					
Fel d 1 (Cat)	6F9/3E4	EPC-FD1-1	EPC-FD1-5	EPC-FD1-25					
				EDO ED 4 05					
Fel d 4 (Cat)	5F3/Rabbit anti Fel d 4	EPC-FD4-1	EPC-FD4-5	EPC-FD4-25					
Fel d 4 (Cat) Mus m 1 (Mouse)	5F3/Rabbit anti Fel d 4 Rabbit anti Mus m 1/Rabbit anti Mus m 1	EPC-FD4-1 EPC-MM1-1	EPC-FD4-5 EPC-MM1-5	EPC-FD4-25 EPC-MM1-25					
Mus m 1 (Mouse)	Rabbit anti Mus m 1/Rabbit anti Mus m 1								
		EPC-MM1-1	EPC-MM1-5	EPC-MM1-25					
Mus m 1 (Mouse) Ory c 3 (Rabbit) Rat n 1 (Rat)	Rabbit anti Mus m 1/Rabbit anti Mus m 1 Goat anti Ory c 3/ Goat anti Ory c 3	EPC-MM1-1 EPC-OC3-1	EPC-MM1-5 EPC-OC3-5 EPC-RN1-5	EPC-MM1-25 EPC-OC3-25 EPC-RN1-25					
Mus m 1 (Mouse) Ory c 3 (Rabbit) Rat n 1 (Rat)  FOOD ALLERGENS	Rabbit anti Mus m 1/Rabbit anti Mus m 1 Goat anti Ory c 3/ Goat anti Ory c 3 RUP-6/RUP-1	EPC-MM1-1 EPC-OC3-1	EPC-MM1-5 EPC-OC3-5	EPC-MM1-25 EPC-OC3-25 EPC-RN1-25					
Mus m 1 (Mouse) Ory c 3 (Rabbit) Rat n 1 (Rat)  FOOD ALLERGENS Product Description	Rabbit anti Mus m 1/Rabbit anti Mus m 1 Goat anti Ory c 3/ Goat anti Ory c 3	EPC-MM1-1 EPC-OC3-1 EPC-RN1-1	EPC-MM1-5 EPC-OC3-5 EPC-RN1-5	EPC-MM1-25 EPC-OC3-25 EPC-RN1-25					
Mus m 1 (Mouse) Ory c 3 (Rabbit) Rat n 1 (Rat)  FOOD ALLERGENS	Rabbit anti Mus m 1/Rabbit anti Mus m 1 Goat anti Ory c 3/ Goat anti Ory c 3 RUP-6/RUP-1	EPC-MM1-1 EPC-OC3-1 EPC-RN1-1	EPC-MM1-5 EPC-OC3-5 EPC-RN1-5 Product Code 5 Plates	EPC-MM1-25 EPC-OC3-25 EPC-RN1-25					
Mus m 1 (Mouse) Ory c 3 (Rabbit) Rat n 1 (Rat)  FOOD ALLERGENS Product Description Ana o 3 (Cashew)	Rabbit anti Mus m 1/Rabbit anti Mus m 1 Goat anti Ory c 3/ Goat anti Ory c 3 RUP-6/RUP-1  Antibody Pairs 1H4/4A11	EPC-MM1-1 EPC-OC3-1 EPC-RN1-1 1 Plate EPC-AO3-1	EPC-MM1-5 EPC-OC3-5 EPC-RN1-5  Product Code 5 Plates EPC-AO3-5	EPC-MM1-25 EPC-OC3-25 EPC-RN1-25 25 Plates EPC-AO3-25					
Mus m 1 (Mouse) Ory c 3 (Rabbit) Rat n 1 (Rat)  FOOD ALLERGENS Product Description Ana o 3 (Cashew) Ara h 1 (Peanut)	Rabbit anti Mus m 1/Rabbit anti Mus m 1 Goat anti Ory c 3/ Goat anti Ory c 3 RUP-6/RUP-1  Antibody Pairs 1H4/4A11 2C12/2F7	EPC-MM1-1 EPC-OC3-1 EPC-RN1-1 1 Plate EPC-AO3-1 EPC-AH1-1	EPC-MM1-5 EPC-OC3-5 EPC-RN1-5 Product Code 5 Plates EPC-AO3-5 EPC-AH1-5	EPC-MM1-25 EPC-OC3-25 EPC-RN1-25 <b>25 Plates</b> EPC-AO3-25 EPC-AH1-25					
Mus m 1 (Mouse) Ory c 3 (Rabbit) Rat n 1 (Rat)  FOOD ALLERGENS Product Description Ana o 3 (Cashew) Ara h 1 (Peanut) Ara h 2 (Peanut)	Rabbit anti Mus m 1/Rabbit anti Mus m 1 Goat anti Ory c 3/ Goat anti Ory c 3 RUP-6/RUP-1  Antibody Pairs 1H4/4A11 2C12/2F7 1C4/Rabbit anti Ara h 2	EPC-MM1-1 EPC-OC3-1 EPC-RN1-1 1 Plate EPC-AO3-1 EPC-AH1-1 EPC-AH2-1	EPC-MM1-5 EPC-OC3-5 EPC-RN1-5 Product Code 5 Plates EPC-AO3-5 EPC-AH1-5 EPC-AH2-5	EPC-MM1-25 EPC-OC3-25 EPC-RN1-25 <b>25 Plates</b> EPC-AO3-25 EPC-AH1-25 EPC-AH2-25					
Mus m 1 (Mouse) Ory c 3 (Rabbit) Rat n 1 (Rat)  FOOD ALLERGENS Product Description Ana o 3 (Cashew) Ara h 1 (Peanut) Ara h 2 (Peanut) Ara h 3 (Peanut)	Rabbit anti Mus m 1/Rabbit anti Mus m 1 Goat anti Ory c 3/ Goat anti Ory c 3 RUP-6/RUP-1  Antibody Pairs 1H4/4A11 2C12/2F7 1C4/Rabbit anti Ara h 2 1E8/4G9	EPC-MM1-1 EPC-OC3-1 EPC-RN1-1 1 Plate EPC-AO3-1 EPC-AH1-1 EPC-AH2-1 EPC-AH3-1	EPC-MM1-5 EPC-OC3-5 EPC-RN1-5 Product Code 5 Plates EPC-AO3-5 EPC-AH1-5 EPC-AH2-5 EPC-AH3-5	EPC-MM1-25 EPC-OC3-25 EPC-RN1-25 EPC-AO3-25 EPC-AH1-25 EPC-AH2-25 EPC-AH3-25					
Mus m 1 (Mouse) Ory c 3 (Rabbit) Rat n 1 (Rat)  FOOD ALLERGENS Product Description Ana o 3 (Cashew) Ara h 1 (Peanut) Ara h 2 (Peanut) Ara h 3 (Peanut) Ara h 6 (Peanut)	Rabbit anti Mus m 1/Rabbit anti Mus m 1 Goat anti Ory c 3/ Goat anti Ory c 3 RUP-6/RUP-1  Antibody Pairs 1H4/4A11 2C12/2F7 1C4/Rabbit anti Ara h 2 1E8/4G9 3B8/3E12	EPC-MM1-1 EPC-OC3-1 EPC-RN1-1 1 Plate EPC-AO3-1 EPC-AH1-1 EPC-AH2-1 EPC-AH3-1 EPC-AH6-1	EPC-MM1-5 EPC-OC3-5 EPC-RN1-5  Product Code 5 Plates EPC-AO3-5 EPC-AH1-5 EPC-AH2-5 EPC-AH3-5 EPC-AH6-5	EPC-MM1-25 EPC-OC3-25 EPC-RN1-25 EPC-AO3-25 EPC-AH1-25 EPC-AH2-25 EPC-AH3-25 EPC-AH6-25					
Mus m 1 (Mouse) Ory c 3 (Rabbit) Rat n 1 (Rat)  FOOD ALLERGENS Product Description Ana o 3 (Cashew) Ara h 1 (Peanut) Ara h 2 (Peanut) Ara h 3 (Peanut) Ara h 6 (Peanut) Ara h 8 (Peanut)	Rabbit anti Mus m 1/Rabbit anti Mus m 1 Goat anti Ory c 3/ Goat anti Ory c 3 RUP-6/RUP-1  Antibody Pairs 1H4/4A11 2C12/2F7 1C4/Rabbit anti Ara h 2 1E8/4G9 3B8/3E12 4G6/Rabbit anti Ara h 8	EPC-MM1-1 EPC-OC3-1 EPC-RN1-1 1 Plate EPC-AO3-1 EPC-AH1-1 EPC-AH2-1 EPC-AH3-1 EPC-AH6-1 EPC-AH8-1	EPC-MM1-5 EPC-OC3-5 EPC-RN1-5  Product Code 5 Plates EPC-AO3-5 EPC-AH1-5 EPC-AH2-5 EPC-AH3-5 EPC-AH6-5 EPC-AH8-5	EPC-MM1-25 EPC-OC3-25 EPC-RN1-25 EPC-RN1-25 EPC-AO3-25 EPC-AH1-25 EPC-AH2-25 EPC-AH3-25 EPC-AH6-25 EPC-AH8-25					
Mus m 1 (Mouse) Ory c 3 (Rabbit) Rat n 1 (Rat)  FOOD ALLERGENS Product Description Ana o 3 (Cashew) Ara h 1 (Peanut) Ara h 2 (Peanut) Ara h 3 (Peanut) Ara h 6 (Peanut) Ara h 8 (Peanut) Bos d 11 (Milk)	Rabbit anti Mus m 1/Rabbit anti Mus m 1 Goat anti Ory c 3/ Goat anti Ory c 3 RUP-6/RUP-1  Antibody Pairs 1H4/4A11 2C12/2F7 1C4/Rabbit anti Ara h 2 1E8/4G9 3B8/3E12 4G6/Rabbit anti Ara h 8 CC11/VBIC	EPC-MM1-1 EPC-OC3-1 EPC-RN1-1 1 Plate EPC-AO3-1 EPC-AH1-1 EPC-AH2-1 EPC-AH3-1 EPC-AH6-1 EPC-AH8-1 EPC-BD11-1	EPC-MM1-5 EPC-OC3-5 EPC-RN1-5  Product Code 5 Plates EPC-AO3-5 EPC-AH1-5 EPC-AH2-5 EPC-AH3-5 EPC-AH6-5 EPC-AH8-5 EPC-BD11-5	EPC-MM1-25 EPC-OC3-25 EPC-RN1-25 EPC-RN1-25 EPC-AO3-25 EPC-AH1-25 EPC-AH2-25 EPC-AH3-25 EPC-AH6-25 EPC-AH8-25 EPC-BD11-25					
Mus m 1 (Mouse) Ory c 3 (Rabbit) Rat n 1 (Rat)  FOOD ALLERGENS Product Description Ana o 3 (Cashew) Ara h 1 (Peanut) Ara h 2 (Peanut) Ara h 3 (Peanut) Ara h 6 (Peanut) Ara h 8 (Peanut) Bos d 11 (Milk) Cor a 9 (Hazelnut)	Rabbit anti Mus m 1/Rabbit anti Mus m 1 Goat anti Ory c 3/ Goat anti Ory c 3 RUP-6/RUP-1  Antibody Pairs 1H4/4A11 2C12/2F7 1C4/Rabbit anti Ara h 2 1E8/4G9 3B8/3E12 4G6/Rabbit anti Ara h 8 CC11/VBIC 3B6/6F5	EPC-MM1-1 EPC-OC3-1 EPC-RN1-1 1 Plate EPC-AO3-1 EPC-AH1-1 EPC-AH2-1 EPC-AH3-1 EPC-AH6-1 EPC-AH8-1 EPC-BD11-1 EPC-CA9-1	EPC-MM1-5 EPC-OC3-5 EPC-RN1-5  Product Code 5 Plates EPC-AO3-5 EPC-AH1-5 EPC-AH2-5 EPC-AH3-5 EPC-AH6-5 EPC-AH8-5 EPC-BD11-5 EPC-CA9-5	EPC-MM1-25 EPC-OC3-25 EPC-RN1-25 EPC-RN1-25 EPC-AO3-25 EPC-AH1-25 EPC-AH2-25 EPC-AH3-25 EPC-AH6-25 EPC-AH8-25 EPC-BD11-25 EPC-CA9-25					
Mus m 1 (Mouse) Ory c 3 (Rabbit) Rat n 1 (Rat)  FOOD ALLERGENS Product Description Ana o 3 (Cashew) Ara h 1 (Peanut) Ara h 2 (Peanut) Ara h 3 (Peanut) Ara h 6 (Peanut) Ara h 8 (Peanut) Bos d 11 (Milk) Cor a 9 (Hazelnut) Cyp c 1 (Fish)	Rabbit anti Mus m 1/Rabbit anti Mus m 1 Goat anti Ory c 3/ Goat anti Ory c 3 RUP-6/RUP-1  Antibody Pairs 1H4/4A11 2C12/2F7 1C4/Rabbit anti Ara h 2 1E8/4G9 3B8/3E12 4G6/Rabbit anti Ara h 8 CC11/VBIC 3B6/6F5 9A6/7C5	EPC-MM1-1 EPC-OC3-1 EPC-RN1-1 1 Plate EPC-AO3-1 EPC-AH1-1 EPC-AH3-1 EPC-AH6-1 EPC-AH8-1 EPC-BD11-1 EPC-CA9-1 EPC-CC-1	EPC-MM1-5 EPC-OC3-5 EPC-RN1-5  Product Code 5 Plates EPC-AO3-5 EPC-AH1-5 EPC-AH2-5 EPC-AH3-5 EPC-AH6-5 EPC-AH8-5 EPC-BD11-5 EPC-CA9-5 EPC-CC-5	EPC-MM1-25 EPC-OC3-25 EPC-RN1-25 EPC-RN1-25 EPC-AO3-25 EPC-AH1-25 EPC-AH2-25 EPC-AH3-25 EPC-AH6-25 EPC-AH8-25 EPC-BD11-25 EPC-CA9-25 EPC-CC-25					
Mus m 1 (Mouse) Ory c 3 (Rabbit) Rat n 1 (Rat)  FOOD ALLERGENS Product Description Ana o 3 (Cashew) Ara h 1 (Peanut) Ara h 2 (Peanut) Ara h 3 (Peanut) Ara h 6 (Peanut) Ara h 8 (Peanut) Bos d 11 (Milk) Cor a 9 (Hazelnut) Cyp c 1 (Fish) Gal d 1 (Egg)	Rabbit anti Mus m 1/Rabbit anti Mus m 1 Goat anti Ory c 3/ Goat anti Ory c 3 RUP-6/RUP-1  Antibody Pairs 1H4/4A11 2C12/2F7 1C4/Rabbit anti Ara h 2 1E8/4G9 3B8/3E12 4G6/Rabbit anti Ara h 8 CC11/VBIC 3B6/6F5 9A6/7C5 5G11/2B2	EPC-MM1-1 EPC-OC3-1 EPC-RN1-1 1 Plate EPC-AO3-1 EPC-AH1-1 EPC-AH3-1 EPC-AH6-1 EPC-AH6-1 EPC-BD11-1 EPC-CA9-1 EPC-CC-1 EPC-GD1-1	EPC-MM1-5 EPC-OC3-5 EPC-RN1-5  Product Code 5 Plates EPC-AO3-5 EPC-AH1-5 EPC-AH2-5 EPC-AH3-5 EPC-AH6-5 EPC-AH8-5 EPC-BD11-5 EPC-CA9-5 EPC-CC-5 EPC-GD1-5	EPC-MM1-25 EPC-OC3-25 EPC-RN1-25 EPC-RN1-25 EPC-AO3-25 EPC-AH1-25 EPC-AH3-25 EPC-AH6-25 EPC-AH8-25 EPC-BD11-25 EPC-CA9-25 EPC-C25 EPC-C25					

FOOD ALLERGENS			<b>Product Code</b>	
<b>Product Description</b>	Antibody Pairs	1 Plate	<b>5 Plates</b>	25 Plates
Gly m 5 (Soy)	6F6/1B9	EPC-GM5-1	EPC-GM5-5	EPC-GM5-25
Jug r 1 (Walnut)	7D7/Rabbit anti Jug r 1	EPC-JR1-1	EPC-JR1-5	EPC-JR1-25
Native Bos d 5 (Milk)	NBD5-1/NBD5-2	EPC-NBD5-1	EPC-NBD5-5	EPC-NBD5-25
Pru du 6 (Almond)	6C10/1D3	EPC-PD6-1	EPC-PD6-5	EPC-PD6-25
Shrimp Tropomyosin	1A6/Rabbit anti Shrimp Tropomyosin	EPC-TPM-1	EPC-TPM-5	EPC-TPM-25
Ses i 1 (Sesame)	Rabbit anti Ses i 1/Rabbit anti Ses i 1	EPC-SI1-1	EPC-SI1-5	EPC-SI1-25
Sin a 1 (Celery)	3B4/2B11	EPC-SA1-1	EPC-SA1-5	EPC-SA1-25
MOLD ALLERGENS			Product Code	
<b>Product Description</b>	Antibody Pairs	1 Plate	5 Plates	25 Plates
Alt a 1	2C10/3B6	EPC-AA1-1	EPC-AA1-5	EPC-AA1-25
Asp f 1	4A6/Rabbit anti Asp f 1	EPC-AF1-1	EPC-AF1-5	EPC-AF1-25
<b>POLLEN ALLERGENS</b>			Product Code	
<b>Product Description</b>	Antibody Pairs	1 Plate	5 Plates	25 Plates
Amb a 1 (Ragweed)	2B6/4H7	EPC-AM1-1	EPC-AM1-5	EPC-AM1-25
Bet v 1 EP (Birch)	5B4/6H4	EPC-BV1-EP1	EPC-BV1-EP5	EPC-BV1-EP25
Cry j 1 (Japanese Cedar)	4D12/2E11	EPC-CJ1-1	EPC-CJ1-5	EPC-CJ1-25
Lol p 1 (Ryegrass)	5G7/8D10	EPC-LP1-1	EPC-LP1-5	EPC-LP1-25
Phl p 5 (Timothy grass)	1D11/Bo1	EPC-PP5-1	EPC-PP5-5	EPC-PP5-25