



**GOLD  
STANDARD  
DIAGNOSTICS**



## Immuno<sup>LINE</sup> IgE Lineblots

*In-vitro* test

**IgE antibodies** in human serum mediate allergic reactions of our immune system. The determination of Specific IgE antibodies is therefore an important tool in the diagnostic evaluation of patients with proven or suspected allergic reactions. IgE values of patients are age-dependent and usually reach a maximum at the patient's age of 10-14 years.

Especially in the identification of suspected allergies, screening tests with multiple allergens can be an important and effective tool.

Our new product line **Immuno<sup>LINE</sup> IgE Lineblots** offers a broad spectrum of allergens known to cause allergies in susceptible individuals. Four clinically relevant groups have been combined into one test strip format each.

Each format of these test strips contains 20 different allergens including CCD (cross-reactive carbohydrate determinants) for the detection of antibodies with low clinical relevance and an additional control band for test evaluation.

Every kit includes 16 test strips and an incubation tray that allows parallel processing of eight patient samples at the same time.

### Advantages of Immuno<sup>LINE</sup> Lineblots


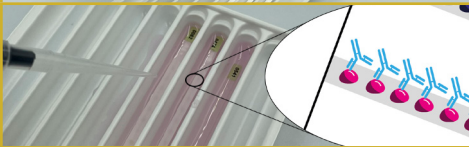





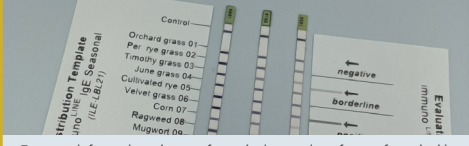
- Only 100 µL serum or plasma needed
- Only 2.5 h time to result
- Ready-to-use reagents (exception wash buffer)
- 16 strips containing 20 allergens each
- High concordance with EAST and prick test
- Simple manual test performance
- Incubation at room temperature
- Integrated positive control
- High stability, shelf life of 24 months
- Automation possible using e.g.
  - Autoblot 3000 (MedTec BioLab)
  - ProfiBlot 48 (Tecan)

## ImmunoVISION evaluation software **NEW!**

Dried test strips can be interpreted very easily. Based on precipitating bands, *qualitative* results can be read directly on a visual basis. Templates for allergen assignment and intensity comparisons are provided in each kit (see number 8 of the quick reference guide).

To obtain *quantitative* results, the **ImmunoVISION software** can be used, which is provided free of charge by **Gold Standard Diagnostics**. With the help of a customizable scanning template and a commercially available flat panel scanner (not included), the dried test strips are scanned and subsequently a ratio is calculated, resulting in a class classification. An individual patient or laboratory report, also customizable to your needs, is then generated by the software.

## Quick reference guide

	<p><b>1. Incubation of testing strips</b></p> <p>Place the strips in the incubation well and add <b>1 mL</b> sample diluent to each channel. Remove the solution after <b>5 min</b> of incubation time.</p>
	<p><b>2. Incubation of patient sample</b></p> <p>Pipette <b>0.5 mL</b> of 1:5 diluted sample into each channel and incubate the test strips for <b>60 min</b> at room temperature on a horizontal shaker. Remove the solution after the incubation time.</p>
	<p><b>3. Washing the strips</b></p> <p>Pipette <b>2 mL</b> of diluted wash buffer into each channel and rinse the strips for <b>2 min</b> at room temperature on the shaker, then remove the solution. Repeat the procedure two more times.</p>
	<p><b>4. Incubation of enzyme conjugate</b></p> <p>Pipette <b>0.5 mL</b> ready-to-use conjugate solution into each channel and incubate the test strips for <b>30 min</b> at room temperature on the shaker. Remove the solution afterwards.</p>
	<p><b>5. Washing the strips</b></p> <p>Pipette <b>2 mL</b> of diluted wash buffer into each channel and rinse the strips for <b>2 min</b> at room temperature on the shaker, then remove the solution. Repeat the procedure two more times.</p>
	<p><b>6. Incubation of substrate</b></p> <p>Pipette <b>1 mL</b> ready-to-use substrate into each channel of the incubation well and incubate for <b>30 min</b> at room temperature on a shaker. Then remove the solution.</p>
	<p><b>7. Stop of incubation</b></p> <p>To stop the substrate reaction, pipette <b>1 mL</b> of diluted wash buffer into each channel. The strips can be removed from the solution.</p>
	<p><b>8. Drying and evaluating the test strips</b></p> <p>The tests strips are dried in the air. Afterwards they can be evaluated with the aid of templates or by ImmunoVision software.</p>

\* For more information, please refer to the instructions for use from the kit.

## Formats

Nutritional		Seasonal	
Cat.No.: ILE-LBL20		Cat.No.: ILE-LBL21	
Allergen	Code	Allergen	Code
Egg White	F 001	Orchard Grass	G 003
Egg Yolk	F 075	Rye Grass	G 005
Cow's Milk	F 002	Timothy Grass	G 006
Wheat Flour	F 004	June Grass	G 008
Beef	F 027	Cultivated Rye	G 012
Chicken	F 083	Velvet Grass	G 013
Peanut	F 013	Corn	G 020
Hazelnut	F 017	Ragweed	W 001
Almond	F 020	Mugwort	W 006
Soybean	F 014	Engl. Plantain	W 009
Tomato	F 025	Carnation	W 027
Carrot	F 031	Sunflower	W 029
Potato	F 035	Alder	T 002
Onion	F 048	Birch	T 003
Celery	F 085	Hazel	T 004
Apple	F 049	Elm	T 008
Codfish	F 003	Willow	T 012
Salmon	F 041	Cottonwood	T 014
Shrimp	F 023	Eucalyptus	T 018
CCD	O 214	CCD	O 214

Perennial		Atopic	
Cat.No.: ILE-LBL22		Cat.No.: ILE-LBL23	
Allergen	Code	Allergen	Code
Cat Epithelia	E 001	Egg White	F 001
Dog Epithelia	E 002	Cow's Milk	F 002
Horse Epithelia	E 003	Wheat Flour	F 004
Guinea Pig Epith.	E 006	Peanut	F 013
Pigeon Feathers	E 011	Celery	F 085
Hen Feathers	E 085	Codfish	F 003
Casein	F 078	Timothy Grass	G 006
Derm. pteron.	D 001	Ragweed	W 001
Derm. farinae	D 002	Mugwort	W 006
Cockroach	I 006	Engl. Plantain	W 009
P. chrysog.	M 001	Birch	T 003
C. herbarum	M 002	Hazel	T 004
A. fumigatus	M 003	Cat Epithelia	E 001
Candida albicans	M 005	Dog Epithelia	E 002
A. tenius	M 006	Derm. pteron.	D 001
Tr. mentagr.	M 037	Derm. farinae	D 002
Straw Dust	K 023	P. chrysog.	M 001
Cotton	K 003	C. herbarum	M 002
Sheep's Wool	K 020	A. fumigatus	M 003
CCD	O 214	CCD	O 214

Notice:  
If you are interested, you may also ask about our food intolerance (IgG<sub>4</sub>) panel.