



# ALLERGY

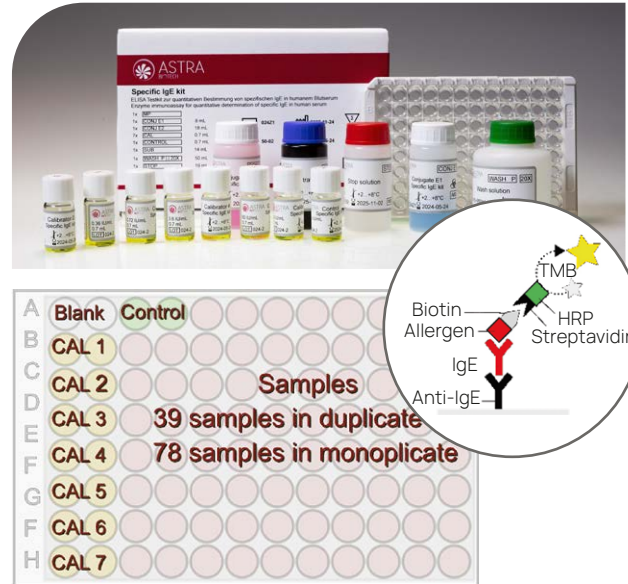
## ELISA based In-Vitro Diagnostics

Being expert in manufacturing of ELISA based diagnostic kits, Astra Biotech GmbH offers its product panel for allergy diagnostics, including a wide range of various allergens for Specific IgE detection.



Specific IgE Detection	Total IgE Detection
------------------------	---------------------

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>• Specific allergens</li> </ul>   | <ul style="list-style-type: none"> <li>• Allergic diseases,</li> <li>• Atopic diseases,</li> <li>• Helminthiasis</li> </ul> |
| 0,15-100 IU/mL   | 8 - 2000 IU/mL  |
| Referenced to Immuno-CAP™ ThermoFisher   | Referenced to Cobas®, Roche   |
| <ul style="list-style-type: none"> <li>• Precision of diagnostics</li> <li>• High sensitivity and specificity</li> <li>• High correlation with CLIA methods</li> </ul> | <ul style="list-style-type: none"> <li>• Possibility of automation</li> <li>• Personalized choice of allergens</li> </ul>   |



### Detection of IgEs to Specific Allergens

- "capture" ELISA method
- high specificity: no interference with other immunoglobulin classes
- quantitative results
- > 780 single allergens and mixes
- recombinant and native allergens

An outstanding feature of our Specific IgE test system is the possibility to use **different allergens on one plate** according to individual requirements. Besides commonly known, our range of allergens includes very specific **regional proteins**, as well as highly purified **native and recombinant allergens**, which can be used to support specific immunotherapy.

REF	Product	Format
50-01	Total IgE kit	96-wells plate with breakable strips
50-03	Total IgE 2000 kit	
50-02	Specific IgE kit	
see list	Biotinylated allergens	Liquid, 26 tests/vial



## ALLERGY – ELISA Automation

- Fully automated open ELISA analyzers
- Validation with Astra Biotech ELISA kits
- Open systems
- Pre-installed protocols for Astra Biotech assays



### IASO Lite



### ALISEI Q.S.



For Small and Medium-size Laboratories	For Big Laboratories with High Throughput
83 x 69,5 x 94,5 cm (L x W x H), 100 kg	140 x 79 x 60 cm (L x W x H), 134 kg
3 independent plates	6 independent plates
Sample capacity: 64 tubes, extendable up to 128 tubes	Sample capacity: up to 240 tubes
Loading of allergens: <ul style="list-style-type: none"> <li>• 24 allergen vials</li> <li>• 48 allergens in primary vials (with optional rack)</li> <li>• 108 allergens in tubes (allergens should be transferred)</li> </ul>	Loading of allergens: up to 81 allergen vials
Disposable tips (1000 µL and 200 µL)	No disposable tips
<ul style="list-style-type: none"> <li>• High speed - 2 independent needles for reagents pipetting</li> <li>• High precision of pipetting - CV 3 %</li> <li>• Liquid level and fibrin clots detection</li> <li>• Combination of different tests in one run</li> <li>• Predilution of samples</li> <li>• Barcode reader for samples</li> <li>• Software for allergy diagnostics</li> </ul>	