



Flow CAST® CAST® Allergens

Your GOLD STANDARD
in Basophil Activation Test

Redefining Allergy Diagnosis with standardized BAT Testing

- ▶ Accurate
 - ▶ Easy to perform
 - ▶ IVDR Certified
 - ▶ Clinically proven

Because a functional test alternative to in vivo provocation practices must be available for everyone

Your Option for Food Allergy Diagnosis

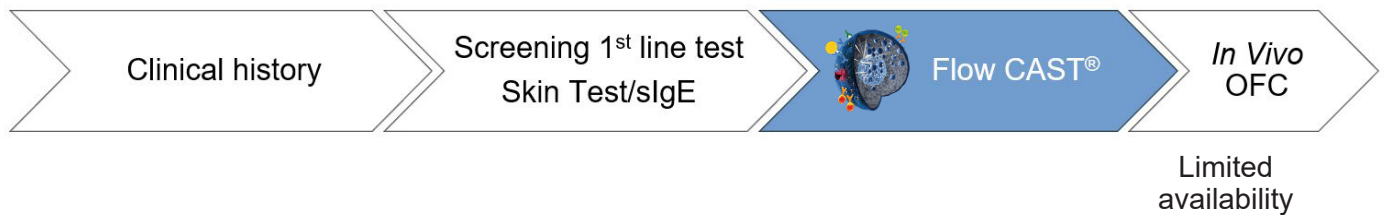
Key Features and Benefits

- ▶ Broad range of allergens available
- ▶ Included in EAACI FA Guidelines
- ▶ Unparalleled accuracy, >91% sensitivity and >92% specificity
- ▶ Extensively proven clinical performance
- ▶ Safe Alternative to OFC

Clinical Utility

- ▶ Specify true allergy vs sensitization
- ▶ Define Food Reintroduction ahead of time
- ▶ Assess Cross-Reactivity

Redefining the Diagnostic Workflow in Food Allergy



Clinical impact:

- ✓ General reduction of the need of *in vivo* provocation tests
- ✓ Specific reduction of provocation at high risk (the ones with positive outcomes)

Significant reduction of risks in the management of provocation tests

Food allergies affect millions of people worldwide, posing significant challenges to their daily lives and overall well-being. From mild reactions to severe, life-threatening responses, the impact of food allergies cannot be underestimated, presenting complex challenge in diagnosis and management. Traditional testing methods often lack in accuracy in identifying sensitization with a clear clinical relevance, and *in vivo* Oral Food Challenges (OFCs) still represent the reference method in food allergy with all the concerns on safety, requirements of qualified

health care personal and concrete availability for all individuals who would need it.

That is where Flow CAST® steps in leveraging the revolutionary Basophil Activation Test (BAT) technology. By harnessing the power of basophils, key immune cells involved in allergic reactions, our BAT offers precise and comprehensive results, enabling clinicians to pinpoint allergen sensitivities with unmatched accuracy.

Do you want to learn more about Flow CAST® in food allergy testing? Please contact us for further information.



Your Option for Drug Allergy Diagnosis

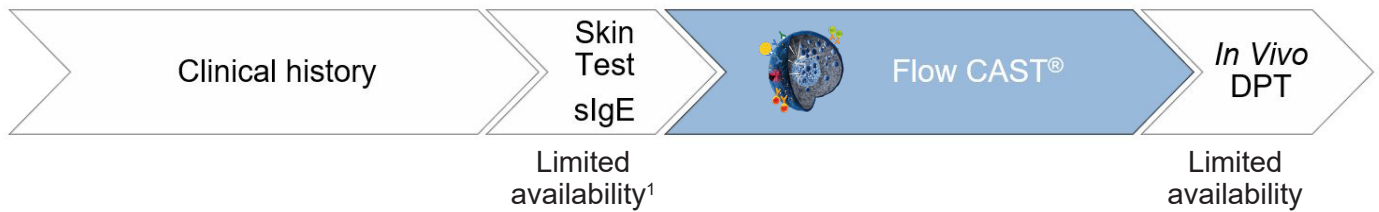
Key Features and Benefits

- ▶ Broadest range of drugs available
- ▶ More than 91% specificity
- ▶ Proven clinical performance
- ▶ Testing of multiple drugs within just one blood sample
- ▶ Continuous development of new drug allergens

Clinical Utility

- ▶ Often the only lab test option
- ▶ Safe and available *in vitro* alternative to Drug Provocation Test (DPT)
- ▶ Assess culprit and alternative drugs

Enriching the Diagnostic Options in Drug Allergy



Explore our CAST® Allergens availability:

- ✓ Antibiotics
- ✓ Analgesics
- ✓ Myorelaxants
- ✓ Local Anesthetics
- ✓ Contrast media
- ✓ Excipients
- ✓ Proton Pump Inhibitors
- ✓ Beta Blockers

In the realm of allergy management, Adverse Drug Reactions (ADRs) present one of the most challenging and complex landscapes. Drugs are the broadest range of molecules eliciting unwanted side effects in patients, spanning general toxicity, allergic and non allergic mechanisms. Allergists must identify an immediate-type allergic response to a drug, potentially leading to mild to severe reactions including anaphylaxis, and identify the culprit drug while providing a safe alternative. However, conventional diagnostic tools have limitations.

To our knowledge, only one IVD registered product for penicillin allergy exists for Skin Prick Test, with most SPTs

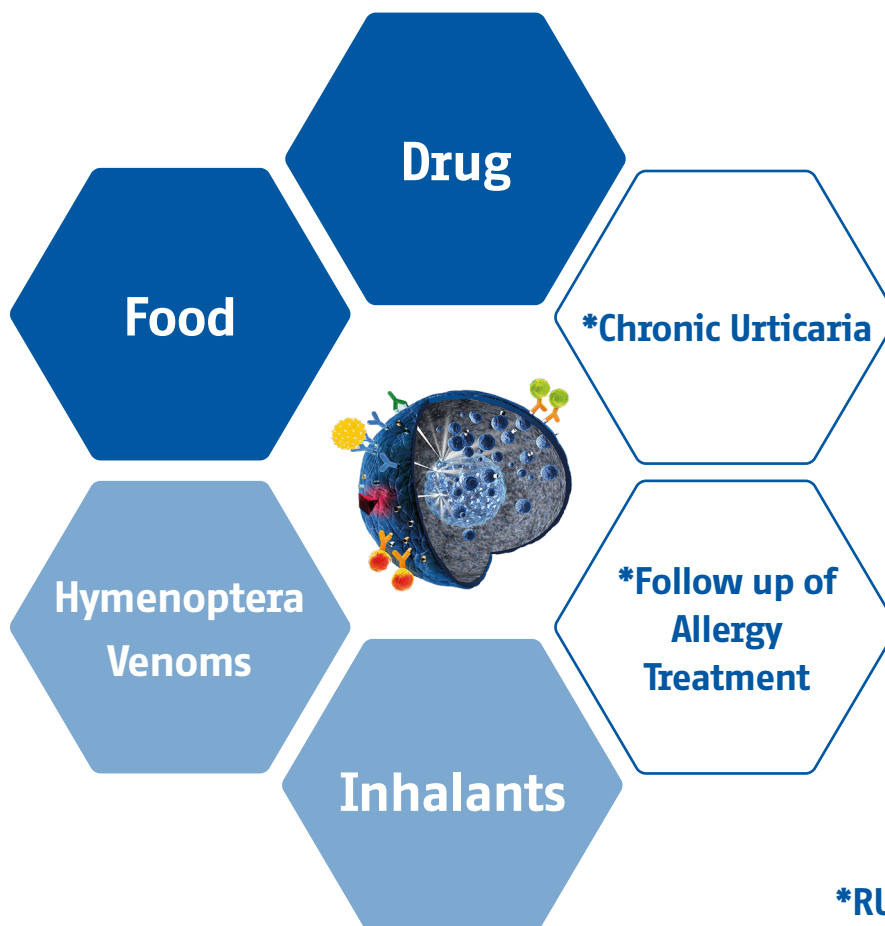
relying on homebrew methods (1). sIgE testing offers few antigens with poor accuracy, mainly for beta-lactam antibiotics. Drug Provocation Tests (DPTs), though often necessary for diagnosis confirmation, suffer from limited availability and safety concerns for patients.

In this landscape, the Flow CAST®, in combination with over 65 drug CAST® allergens spanning key drug classes, elevates expectations for Basophil Activation Testing to the standardization level of any IVD test: robust reproducible and trustable, immediately available for everyone, patients, allergists, and laboratories.



Flow CAST®, our innovative solution, offers a comprehensive approach to allergy testing, providing accurate and reliable results across a range of applications.

Discover how Flow CAST® is advancing allergy diagnosis and transforming patient care.



Publications:

- Duan L, et al. Basophil activation test shows high accuracy in the diagnosis of peanut and tree nut allergy: The Markers of Nut Allergy Study. *Allergy*. 2020
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- De Week AL, et al. ENDA (European Network for Drug Allergy). Diagnosis of immediate-type beta-lactam allergy in vitro by flow-cytometric basophil activation test and sulfidoleukotriene production: a multicenter study. *Investig Allergol Clin Immunol*. 2009
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Flow CAST® FK-CCR
CAST® ELISA

100 tests
EK-CAST 192 wells
EK-CAST5 480 wells

CE-marked products