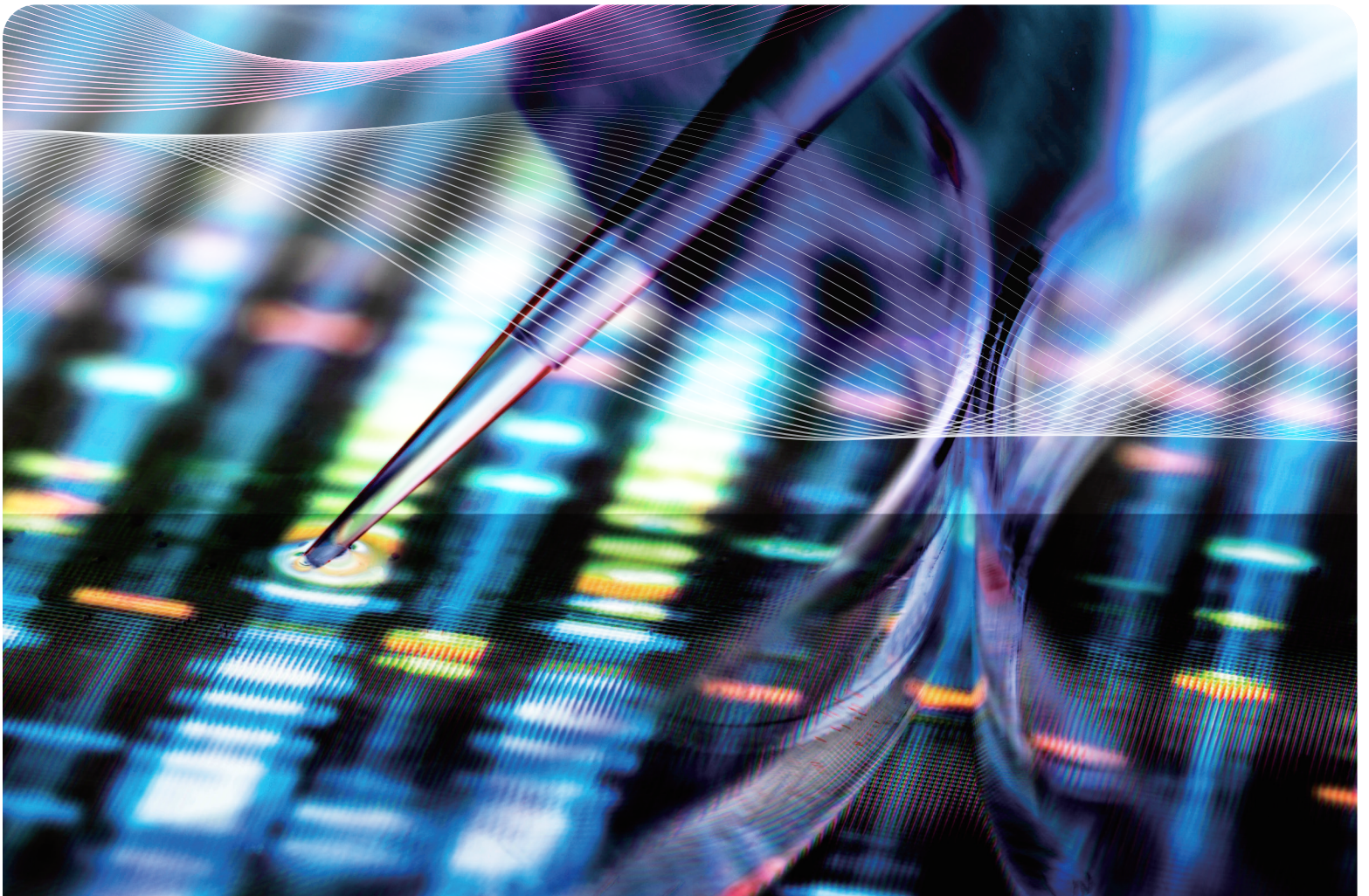


SGTi

Allergy Screen



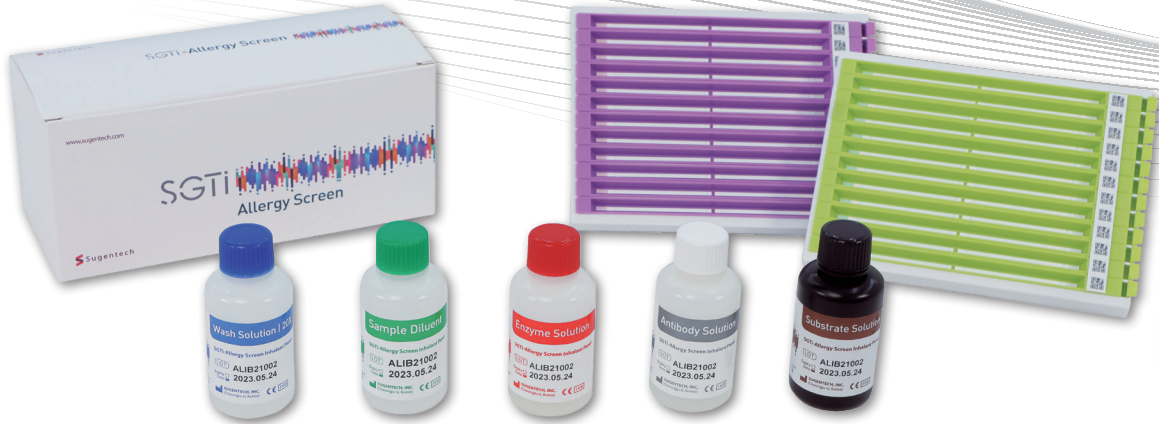
SGTi

Allergy Screen

The SGTi-Allergy Screen is a multi-parameter line immunoblot for allergy diagnosis by detecting allergen (food/inhalant) specific IgE in human serum or plasma.

FEATURES

- Small sample volume
 - 50µl of serum or plasma
 - Beneficial for pediatric patients
 - Designed for a wide range of essential allergy-specific IgE testing
 - Explore the allergens covered in each product category
- Lot calibration by QR code
 - Managing the lot variation
 - Enhanced usability
 - One touch strip tray & User friendly software



COMMON PRODUCT SPECIFICATIONS

Principal	Multiple Allergen Simultaneous Test (Line Immuno-assay)
Type of panel	Varied upon the product category
Sample Volume	50µL
Sample type	Serum or Plasma (Li-Heparin, Na-Citrate)*
Test Time	Full automation: ≤ 4 hours Semi-automation: ≤ 3 hours (Depends on test amount and device)
Storage	2°C - 8°C / 36°F - 46°F

Period of validity	24 months
Test/Kit	12 tests/kit, 24 tests/kit
Control	Positive control(D.p, D.f, Shrimp, Crab)
Kit Components	- Test Strip 5 reagents (Sample Diluent, Antibody, Enzyme, Substrate, Washing)
Automation	S-Blot 2, S-Blot 2 Easy, S-Blot 3

* Product specifications may differ by country

PANEL INFO

SGTi-Allergy Screen INHALANT

Total IgE	Total IgE
Mites	House dust mite (Dp)
	House dust mite (Df)
	Acarus siro
	Storage mite (Tp)
Dust	House dust
Epidermal & Animal Proteins	Cat
	Horse
	Dog
	Mouse
	Rabbit
	Hamster
Bee venom	Honey bee
	Yellow jacket, wasp
Insect	Cockroach
Latex	Latex
Microorganism	Penicillium notatum
	Cladosporium herbarum
	Aspergillus fumigatus
	Candida albicans
	Alternaria alterenate
Tree Pollens	Alder
	Birch
	Hazel
	Oak white
	Olive
	Sycamore
	Goat willow
	Cottonwood
	Ash
	Pine
	Japanese cedar
	Acacia
	Cypress
	Sweet vernal grass
	Bermuda grass
	Orchard grass
Grass Pollens	Timothy grass
	Rye grass
	Redtop, Bent grass
Weed Pollens	Common ragweed
	Dandelion
	Mugwort
	Oxeye daisy
	English plantain
	Goldenrod
	Russian thistle
	Japanese hop
	Pigweed

* Allergens that differs in SGTi Allergy Inhalant 58 Panel

SGTi-Allergy INHALANT 58

Total IgE	Total IgE
Mites	CCD*
	House dust mite (Dp)
	House dust mite (Df)
	Acarus siro
Dust	Storage mite (Tp)
	House dust
Epidermal & Animal Proteins	Cat
	Horse
	Dog
	Rat*
	Rabbit
	Hamster
Bee venom	Sheep epithelium*
	Chicken feather*
Insect	Cow*
	Honey bee
Latex	Yellow jacket, wasp
	Cockroach (American)*
Microorganism	Cockroach (German)*
	Mosquito*
	Latex
	Penicillium notatum
	Cladosporium herbarum
Tree Pollens	Aspergillus fumigatus
	Candida albicans
	Alternaria alternata
	Rhizopus nigricans*
	Alder
	Birch
	Hazel
	Oak
	Olive
	Sycamore
	Goat willow
	Cottonwood
	Ash
	Pine
	Japanese cedar
	Acacia
Grass Pollens	Cypress
	Eucalyptus*
	Sweet vernal grass
	Bermuda grass
	Orchard grass
Weed Pollens	Timothy grass
	Rye grass
	Kentucky bluegrass*
	Cultivated rye*
	Common ragweed
Weed Pollens	False ragweed*
	Mugwort
	Oxeye daisy
	English plantain
	Lamb's quarter*
	Russian thistle
	Nettle*
	Wall pellitory*

Comparison

The SGTi-Allergy Screen Inhalant is basic allergy screening panel designed to detect sensitization to the most common inhalant allergens, including mites, animal epithelia, pollens, and molds. It enables rapid identification of allergic tendencies and provides a practical guide for determining the next steps in detailed allergen testing.

The SGTi-Allergy Inhalant 58 is an expanded inhalant allergy panel that includes 58 allergen components selected to reflect diverse environmental and regional exposures. With the inclusion of CCD, it enhances diagnostic accuracy and reliability, providing comprehensive coverage for allergen detection across urban, rural, and global settings.

Key differences

- ① Allergen diversity

SGTi-Allergy INHALANT 58 covers a broader range of environmental exposures, including livestock, mosquitoes, and eucalyptus-providing comprehensive coverage for urban, rural, and international patients.
- ② Cross-Reactivity Management (CCD)

CCD marker is included in SGTi-Allergy INHALANT 58 panel minimizing false positives and enhancing diagnostic reliability.
- ③ Clinical Application Range

Suitable for advanced or customized allergy diagnostics, enabling detailed identification of multiple exposure sources.

PANEL INFO

SGTi-Allergy Screen FOOD

Total IgE	Total IgE
CCD	CCD
Egg	Egg white
Dairy	Milk Cheddar cheese
Grains	Wheat Barley Rice Maize Buckwheat
Yeast	Baker's yeast
Legumes, Seeds & Nuts	Sesame Soybean Peanut Hazelnut Almond Pine nut Cacao Sunflower seed Walnut
Meats	Pork Beef Chicken Lamb
Vegetables	Tomato Carrot Potato Garlic Onion Celery Cucumber
Fruits	Orange Strawberry Apple Kiwi Mango Banana Peach
Sea foods	Anchovy Blue mussel Eel Mackerel Plaice Clam Lobster Oyster Scallop Codfish Pacific squid Salmon Tuna Crab Shrimp

SGTi-Allergy FOOD 58

Total IgE	Total IgE
CCD	CCD
Egg	Egg white Egg yolk*
Milk & Constituents	Cow's milk Cheddar cheese nBos d 8, Casein* nBos d 4, α-Lactalbumin* nBos d 5, β-Lactoglobulin* nBos d 6, BSA* Goat's milk*
Grains	Wheat Rye Rice Maize Gluten*
Yeast	Baker's yeast
Legumes, Seeds & Nuts	Sesame Soybean Peanut Hazelnut Almond Pine nut Cacao Pea* Brazil nut* Cashew nut* Pistachio* Macadamia nut*
Meats	Pork Beef Chicken Lamb α-Gal*
Vegetables	Tomato Carrot Potato Garlic Onion Celery Avocado* Egg plant*
Fruits	Orange Strawberry Apple Kiwi Mango Banana Peach Apricot* Grapes* Watermelon*
Sea foods	Codfish Pacific squid Salmon Tuna Crab Shrimp

Comparison

The **SGTi-Allergy Screen FOOD** is a broad food allergy screening panel designed to detect sensitization to the most common dietary allergens such as egg, milk, grains, nuts, meats, vegetables, fruits, and seafood. With well-balanced allergen coverage, it enables clinicians to quickly identify major allergen groups responsible for allergic reactions, making it ideal for initial testing and routine clinical screening in patients with suspected food allergies.

The **SGTi-Allergy FOOD 58** is an advanced diagnostic panel that includes 58 carefully selected allergen components for detailed food allergy profiling. It features molecular-level allergens such as casein, α-lactalbumin, β-lactoglobulin, and α-Gal, along with a wider range of nuts, legumes, and fruits. By incorporating the CCD marker to reduce false positives, it supports precise component-resolved diagnosis and comprehensive evaluation in specialized allergy testing environments.

Key differences

① Allergen Coverage and Depth

The Screen FOOD offers broad, general allergen coverage for initial screening, while the FOOD 58 provides deeper profiling with 58 allergens, including detailed molecular components.

② Diagnostic Precision and Cross-Reactivity Management

CBoth include CCD, but the FOOD 58 adds α-Gal and milk protein components, improving diagnostic accuracy and reducing false positives from cross-reactive allergens.

③ Intended Clinical Use

The Screen FOOD is ideal for routine or first-line testing, whereas the FOOD 58 suits advanced diagnostics and component-resolved analysis in specialized laboratories.

PANEL INFO

SGTi-Allergy COMBINED 58

Total IgE	Total IgE
	CCD
Mites	House dust mite (Dp) House dust mite (Df) <i>Acarus siro</i> Storage mite (Tp)
Dust	House dust
Epidermal & Animal Proteins	Cat Horse Dog
Insect	Honey bee Cockroach (German)
Microorganism	<i>Cladosporium herbarum</i> <i>Aspergillus fumigatus</i> <i>Alternaria alternata</i>
Tree Pollens	Hazel Oak Cypress rBet v 1, Birch
Grass Pollens	Sweet vernal grass Cultivated rye rPhl p 1, Timothy grass rPhl p 12, Timothy grass
Weed Pollens	Common ragweed Mugwort English plantain
Meats	Beef Chicken Lamb
Egg	Egg white Egg yolk nGal d 2, Ovalbumin nGal d 1, Ovomuroid nGal d 3 Conalbumin
Milk & Constituents	Cow's milk nBos d 8, Casein nBos d 4, α-Lactalbumin nBos d 5, β-Lactoglobulin nBos d 6, BSA Goat milk
Grains	Wheat Rice Gluten
Legumes, Seeds & Nuts	Soybean Hazelnut Almond Cacao rAra h 1, Peanut rAra h 2, Peanut rAra h 3, Peanut rAra h 9, Peanut
Vegetables	Tomato Carrot Potato
Fruits	Apple Apricot
Fish & Mollusks	Codfish Shrimp

Comparison

The **SGTi-Allergy COMBINED 58** is an advanced diagnostic panel developed for high-precision allergy assessment of 58 selected inhalant and food allergens. It includes molecular-level components and cross-reactivity controls such as CCD and α-Gal, enhancing diagnostic specificity and minimizing false positives. By focusing on clinically relevant allergens, this panel supports targeted allergy profiling for accurate differentiation between true sensitization and cross-reactive responses. Optimized for specialized laboratories and hospitals, it provides a reliable tool for detailed allergy diagnosis and personalized treatment planning.

Key Features and Strengths of SGTi-Allergy COMBINED 58

Category	SGTi-Allergy COMBINED 58	S-Blot 2 Easy
Allergen Coverage	Includes 58 key allergens with refined molecular components.	102 provides broad coverage , 58 ensures depth and precision .
Diagnostic Focus	Developed for advanced and confirmatory diagnosis , focusing on clinically relevant allergens.	Enables stepwise diagnosis — from screening (102) to precision testing (58) .
Cross-Reactivity Control	Incorporates CCD and α-Gal for enhanced differentiation of true sensitization .	58 offers greater specificity and reliability .
Clinical Application	Intended for specialized laboratories and patients with complex or multiple sensitizations.	Tailored for different diagnostic stages and settings .

The **SGTi-Allergy COMBINED 58** is a high precision allergy diagnostic panel optimized for targeted testing of pediatric and elderly patients pediatric and elderly patients.

By focusing on clinically significant allergens and incorporating cross-reactivity controls, it ensures accurate, reliable, and efficient allergy profiling for professional diagnostic environments.

With the **SGTi-Allergy Screen Series**, you can select the most suitable allergen panel for your environment and patient profile. Its modular design enables personalized allergy testing, ensuring the right solution for every diagnostic need.

*Allergens that differs in SGTi-Allergy FOOD 58 panel

S-Blot Series

Sugentech offers flexible and varied allergy testing solutions to meet the user’s specific needs.

Semi-Automated Immunoassay System

S-Blot 2

Key feature

- **Accurate** – Uses an intelligent algorithm for accurate analysis.
- **Easy to use** – Semi-automated immunoblot system with user-friendly software and LIS.
- **Reliable** – Over 1,000 units sold domestically and overseas, with proven safety.



One-Step Fully-Automated Immunoblot System

S-Blot 3

Key feature

- **Smart** - Uses improved LLD (Liquid Level Detection) technology for accurate analysis.
- **Simple** – Fully-automated immunoblot system with user-friendly software and LIS for easy operation.
- **Specialized** – Optimized for using in large hospital environments.



Semi-Automated Immunoassay System

S-Blot 2 Easy

Key features

- **All-Inclusive** - Fully-featured, the smallest semi-automated system on the market.
- **Affordable** – Reasonable price, making it accessible to a wider range of users.

Product specifications

	S-Blot 2	S-Blot 2 Easy	S-Blot 3
System Description	Semi-automated process	Semi-automated process	Fully-automated process
Throughput	48	12	48
Incubation	Tray rocking / 7.5° +/- 0.5 / 20 RPM		
Power (Supply, Main fuses, Consumption)	AC 100-240V 50/60Hz, 300VA	AC 100-240V 50/60Hz, 300VA	AC 100-240V 50/60Hz, 800VA
Test Time	~ 3 Hours	~ 3 Hours	4 Hours
Operating System	Windows 10, 64 bit or more, at least 4 GM RAM, at least 250 GB HDD		
Dimensions (W × D × H mm)	900 × 490 × 580	424 × 521 × 442	968 × 616 × 609
Weight (kg)	75	23	80

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LAB TEST

Multiplex Immunoblot Assay



POC TEST

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for Multiplex Parameters



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