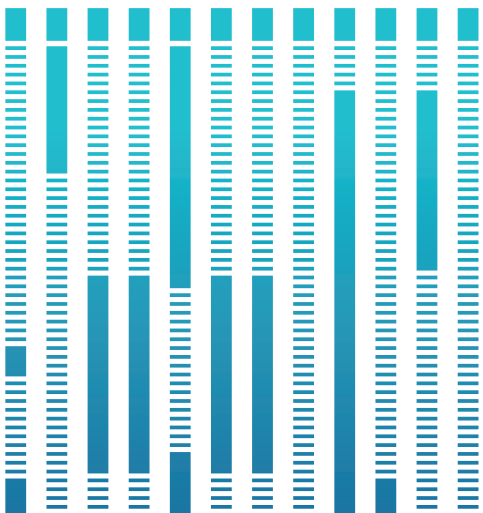# SGTi
Allergy Screen

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.

▪ Key feature

· Small sample volume
- 50㎕ of serum or plasma
- Beneficial for pediatric patients

· More than 100 allergens specific IgE testing
- Inhalant 50 allergens
- Food 53 allergens

· Lot calibration by QR code
- Managing the lot variation

· Enhanced usability
- One touch strip tray & User friendly software

▪ Product specifications

Principal	Multiple Allergen Simultaneous Test (Line Immuno-assay)
Type of panel	Inhalant / Food
Sample Volume	50㎕ per Strip
Sample type	Serum or Plasma (Li-Heparin, Na-Citrate)
Test Time	About 3-4 hours (Depends on test amount and device)
Storage	2° − 8℃ / 36° − 46°F
Period of validity	18 months
Test/Kit	24 tests/1 kit
Control	Positive control(D.p, D.f, Shrimp, Crab)
Kit Components	· Test Strip · 5 kinds of Test Solution (Sample Diluent, Antibody, Enzyme, Substrate, Washing)
Automation	S-Blot 2, S-Blot 2 Easy, S-Blot 3

PANEL INFO

INHALANT Panel

Grass	Bermuda grass	Timothy grass
	Orchard grass	Redtop, Bent grass
	Sweet vernal grass	Rye

Tree	Acacia	Hazel
	Alder	Japanese cedar
	Ash	Oak White
	Birch	Olive
	Cottonwood	Pine
	Cypress	Sycamore
	Goat willow	

Weed	Common Ragweed	Mugwort
	Dandelion	Oxeye daisy
	English Plantain	Pigweed
	Goldenrod	Russian thistle
	Japanese hop	

Epidermal & Animal Proteins	Cat	Horse
	Dog	Mouse
	Guinea pig	Rabbit
	Hamster	

Mites & Dust	Dermatophagoides pteronyssinus(D.p)	Acarus siro
	Dermatophagoides farinae	Storage mite (T.p)
		House dust

Mold/ Fungi	Alternaria alternate	Cladosporium herbarum
	Aspergillus fumigatus	Penicillium notatum
	Candida albicans	

insect	Cockroach	Yellow jacket(wasp)
	Honey bee	

Others	Latex	Total IgE
	Positive Control	

FOOD Panel

Seeds & Nuts & Legumes	Almond	Pine nut
	Cacao	Soy bean
	Hazelnut	Sunflower seed
	Peanut	Walnut

Grains	Barley	Wheat
	Maize	Buckwheat
	Rice	Sesame

Vegetables	Carrot	Onion
	Celery	Potato
	Cucumber	Tomato
	Garlic	

Fruits	Apple	Orange
	Banana	Peach
	Kiwi	Strawberry
	Mango	

Meet	Beef	Lamb
	Chicken	Pork

Seafood	Clam	Oyster
	Crab	Scallop
	Lobster	Shrimp
	Anchovy	Pacific Squid
	Blue mussel	Plaice
	Codfish	Salmon
	Eel	Tuna
	Mackerel	

Dairy	Cheddar cheese	Egg white
		Milk

ETC	CCD	Total IgE
	Positive Control	Yeast, baker

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.

Semi-Automated Immunoassay System
S-Blot 2 Easy

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

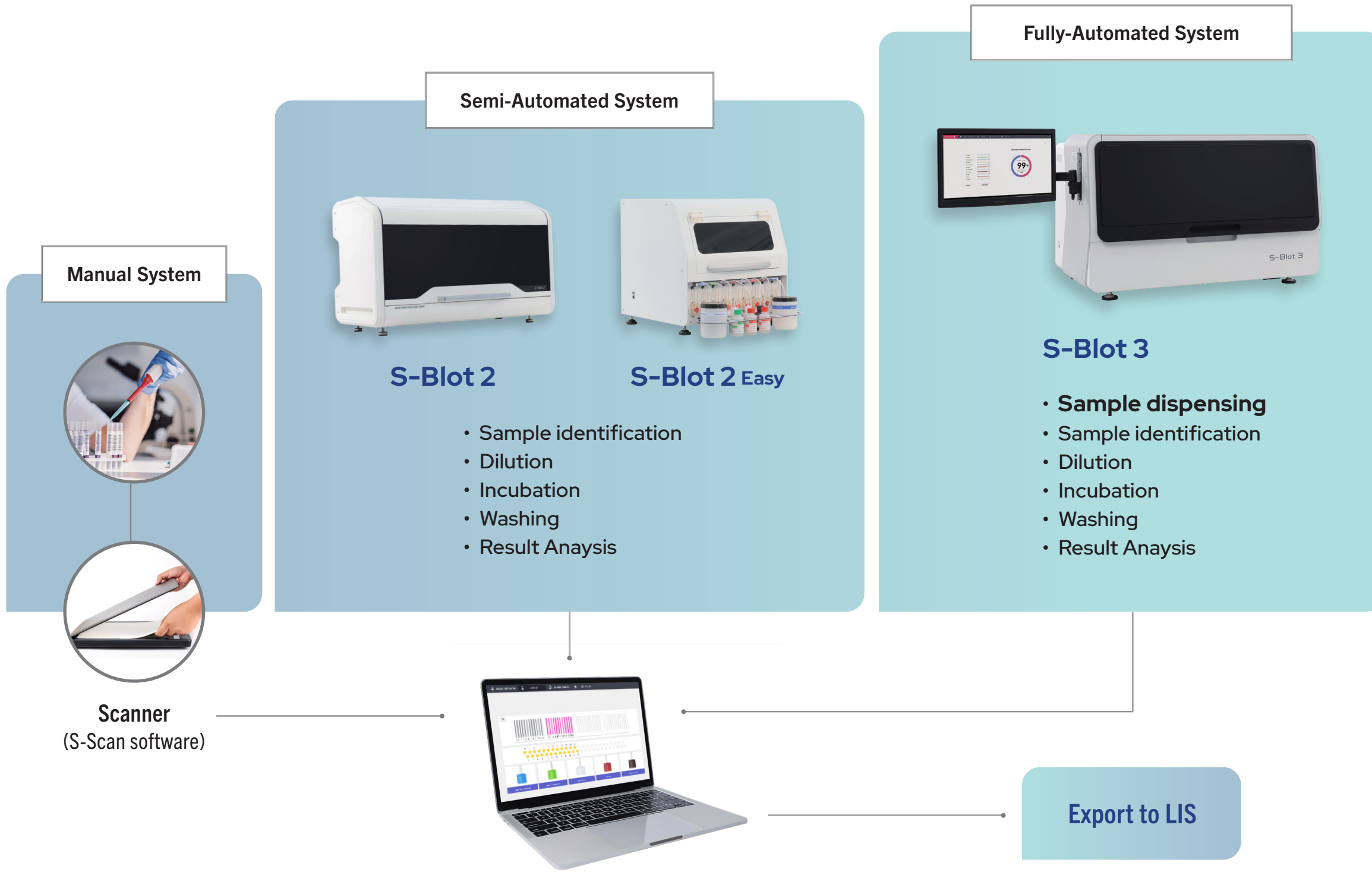### One-Step Fully-Automated Immunoblot System
S-Blot 3

- **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 use in large hospital environments.

▪ Product specifications

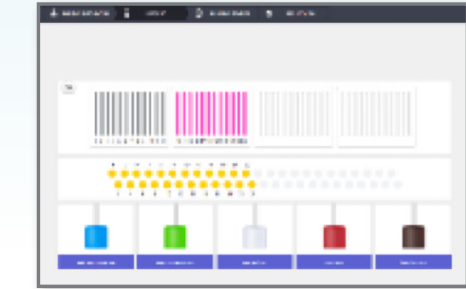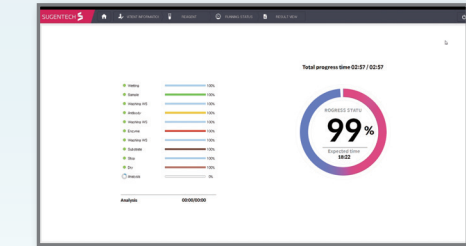|	S-Blot 2	S-Blot 2 Easy	S-Blot 3
System Description	Semi-automated process	Semi-automated process	Fully-automated process
Throughput	48	12	48
Incubation	Tray Rocking / 7.5° +/- 0.5 / 20 RPM		
Drying Method	Heater with Blower fan		
Power (Supply, Main fuses, Consumption)	AC 100-240V 50/60Hz,300VA	AC 100-240V 50/60Hz, 300VA	AC 100-240V 50/60Hz,800VA
Test Time	~ 3 Hours	~ 3 Hours	4 Hours
Operating System	Window 10 64bit or more, at least 4 GB, at least 250 GB Hard disk		
Dimensions(L x W x H mm)	886 x 540 x 560	450 x 400 x 400	870 x 540 x 565
Weight(kg)	70	22	80

The SGTi-Allergy screen provides a variety of processing options
including semi-automated and fully-automated devices.
Both devices offer bidirectional communication with the SGTi-Allergy Screen software
or Laboratory Information System (LIS), to enable data import and export.

Manual System

Scanner
(S-Scan software)

Semi-Automated System

S-Blot 2 **S-Blot 2 Easy**

- Sample identification
- Dilution
- Incubation
- Washing
- Result Anaysis

Fully-Automated System

S-Blot 3

- **Sample dispensing**
- Sample identification
- Dilution
- Incubation
- Washing
- Result Anaysis

Export to LIS

Test Report

The S-Scan software enables
complete automation in evaluating
SGTi-Allergy Screen strips, as well
as managing and electronically
archiving individual data.

SUGENTECH

Global In-vitro diagnostic
Total platform leader

Lab Test

Multiplex Immunoblot Assay

POC Test

Point-Of-Care Test
for Multiplex Parameters

Digital Healthcare

Mobile Integrated
Personal Healthcare

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