

OPTIGEN[®] AP3600[™]

A fully-automated solution for
multiplex allergy testing



Canon

CANON MEDICAL DIAGNOSTICS USA

AP3600™ Automated Instrument

An advanced solution for multiplex allergy diagnostics



AP3600™ KEY BENEFITS

- ✓ High Throughput
- ✓ Minimal Hands-On Time
- ✓ Cost Effective
- ✓ Optimal Screening Capability
- ✓ Streamlined Inventory Management



HIGH THROUGHPUT AUTOMATION

- Fully automates the OPTIGEN® assay from sample tube to result
- Process 50 panels per run (36 allergens per panel)
- Process up to 100 panels per day (3,600 test results)



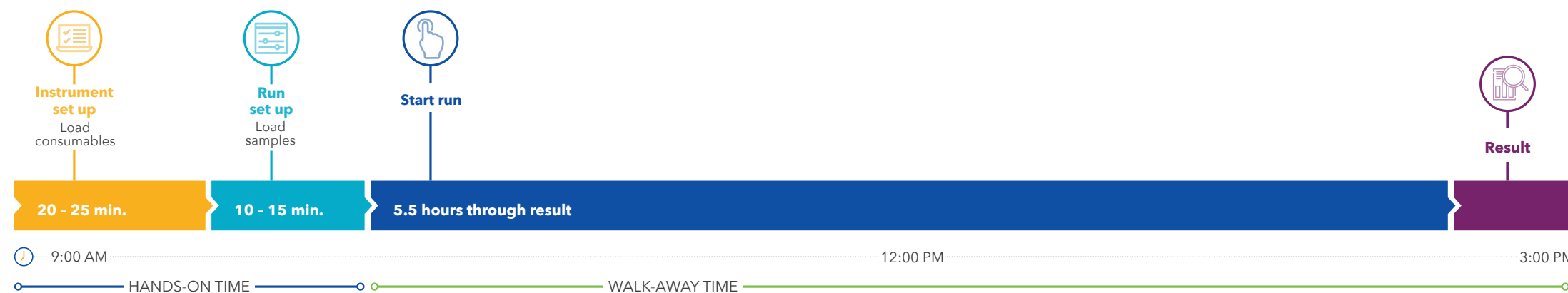
EASE OF OPERATION

- Automatically calculates reagent volume requirements
- Operator checklist for all loaded components verified by the instrument prior to run
- No calibration curve required - streamlines pre-analytical process



SIMPLICITY OF DESIGN

- Intuitive touchscreen user interface
- Two-way LIS connectivity
- Sample / result identification with internal barcode system





Instrument Type	Benchtop
Dimensions	W x H x D = 45 x 25 x 30in. (1140 x 630 x 760mm)
Weight	375 lbs (170 kgs)
Input Voltage	100 VAC to 240 ± 10%
Input Frequency	50/60 Hz ± 4%
Power Consumption	500 VA
Number of Pettes Processed	Maximum of 50 pettes per run
Output Specifications	HL7 messaging protocol

OPTIGEN® tests up to 36 allergens with only 0.7 mL patient serum sample.

PRE-CONFIGURED PANELS

- Simplified selection of allergens for non-allergist
- For in vitro diagnostics (IVD) use



STREAMLINED INVENTORY MANAGEMENT

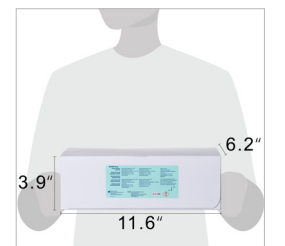
- Less risk for scrapping reagents - single expiration date
- Simple procurement - single part number for test panel
- Less space required to store reagents

OPTIGEN® AP3600™ TEST KIT DIMENSIONS



OPTIGEN® 100 test kit dimension

Length	Width	Height
11.6"	6.2"	3.9"



OPTIGEN® RESULTS: 7 CLASSES

AP3600™ class	Level of Antibodies	Description
6		Very high levels
5		Very high levels
4		Very high levels
3		High levels
2		Moderate levels
1		Low levels
0		Not detectable

OPTIGEN refers to OPTIGEN® Allergen-Specific IgE Assay in this document.

OPTIGEN® ALLERGY PANELS



OPTIGEN® US ENVIRONMENTAL 36

DANDERS

Cat
Dog

DUST MITES

Mite Farinae
Mite Pteronyssinus

GRASSES

Bahia
Bermuda
Timothy

INSECT

Cockroach Mix

MOLDS

Alternaria
Aspergillus
Cladosporium
Penicillium

WEEDS

Cocklebur
English Plantain
Lamb's Quarters
Mugwort
Nettle
Pigweed
Ragweed Mix I
Rough Marshelder
Russian Thistle
Sheep Sorrel

TREES

Acacia
American Sycamore
Ash
Black Alder
Black Walnut
Boxelder Maple
Eastern Cottonwood
Mesquite
Mountain Cedar
Olive
White Birch
White Elm
White Mulberry
White Oak



OPTIGEN® US FOOD 30

LEGUMES

Pea
Peanut
Soybean

FRUITS

Banana
Orange
Strawberry

GRAINS

Corn
Wheat
White Rice

VEGETABLES

Carrot
Garlic
Onion
Potato

FISH & SEAFOOD

Clam
Codfish
Crab
Salmon
Shrimp
Tuna

NUTS & SEEDS

Almond
Cashew
Hazelnut
Sesame Seed
Walnut

MEAT

Chicken
Pork

DAIRY

Cheddar Cheese
Milk

EGG

Egg White

OTHER

Baker's Yeast

OPTIGEN® Ordering Information

Product	Part number	Quantity
AP3600™ Instrument	95413	1 unit
OPTIGEN® US Food 30	85267	100 tests
OPTIGEN® US Environmental 36	85268	100 tests
OPTIGEN® Control Reagent	80109	Positive, Negative (4 tests)
Sample cup	95409	1,000 cups
Sample transfer tips	71312	500 tips/bag
Pette tips	95418	500 tips/bag

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