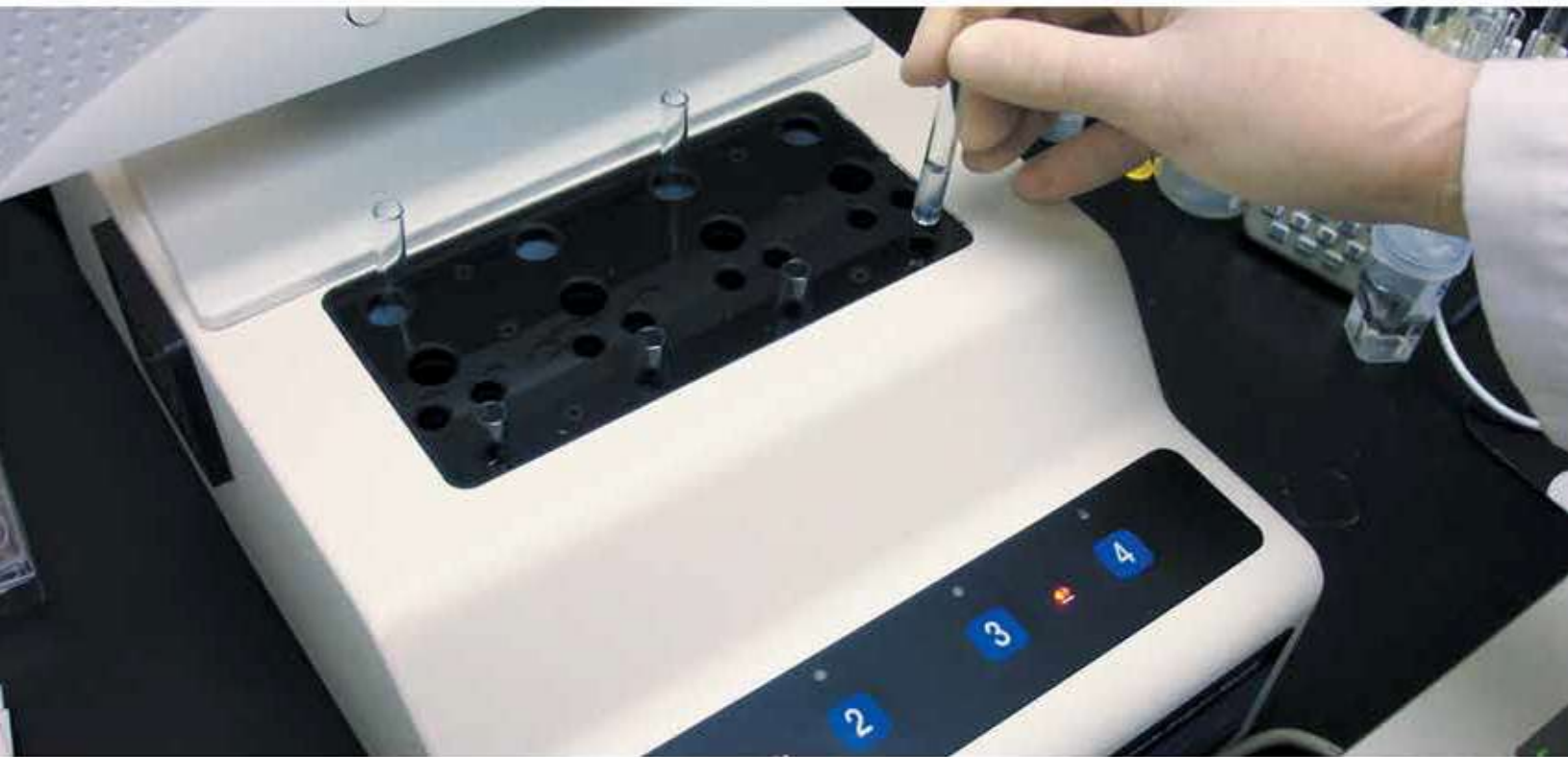


# AggRAM<sup>®</sup>

**HELENA**  
LABORATORIES

Advanced Modular System  
for Platelet Aggregation and  
Ristocetin Cofactor



four-channel laser optics > customized reports > quality control > quality reagents

AggRAM couples four-channel laser optic modules with a powerful, easy to use Microsoft® Windows interface for aggregometry like has never been seen before.



## The Power of Windows

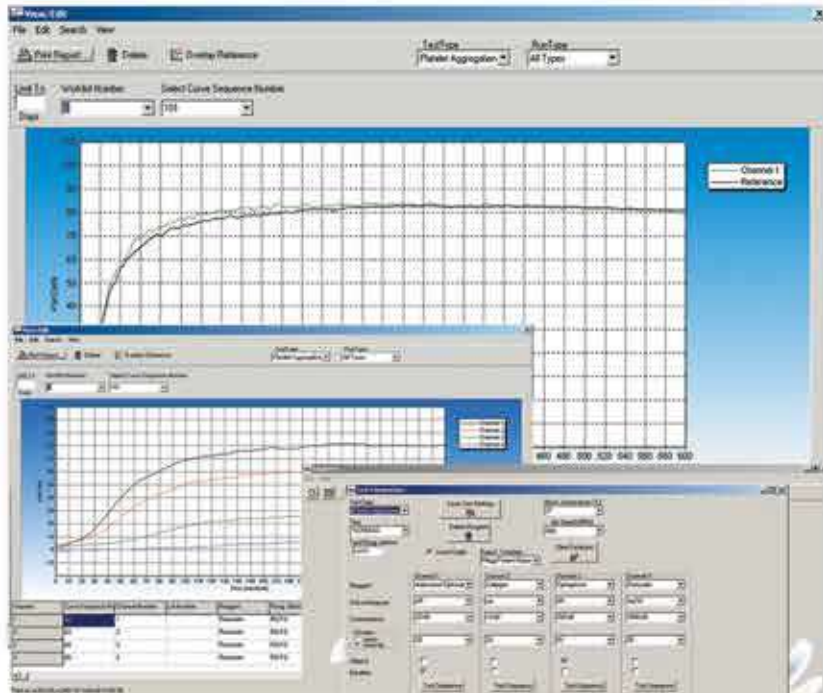
The AggRAM system software takes full advantage of the power of Windows. Watch the channel display in real time in one window. Open another window and start another worklist. Open a third and print previous runs or observe any combination of channels. The interface is user-friendly and powerful.

## Flexible Modular Design

Need eight channels to handle your workload? No problem. Simply add a second module to your AggRAM analyzer. It's easy to configure your analyzer to your needs whether it's running multiple agonists or several levels of agonist on one patient or running multiple patients.

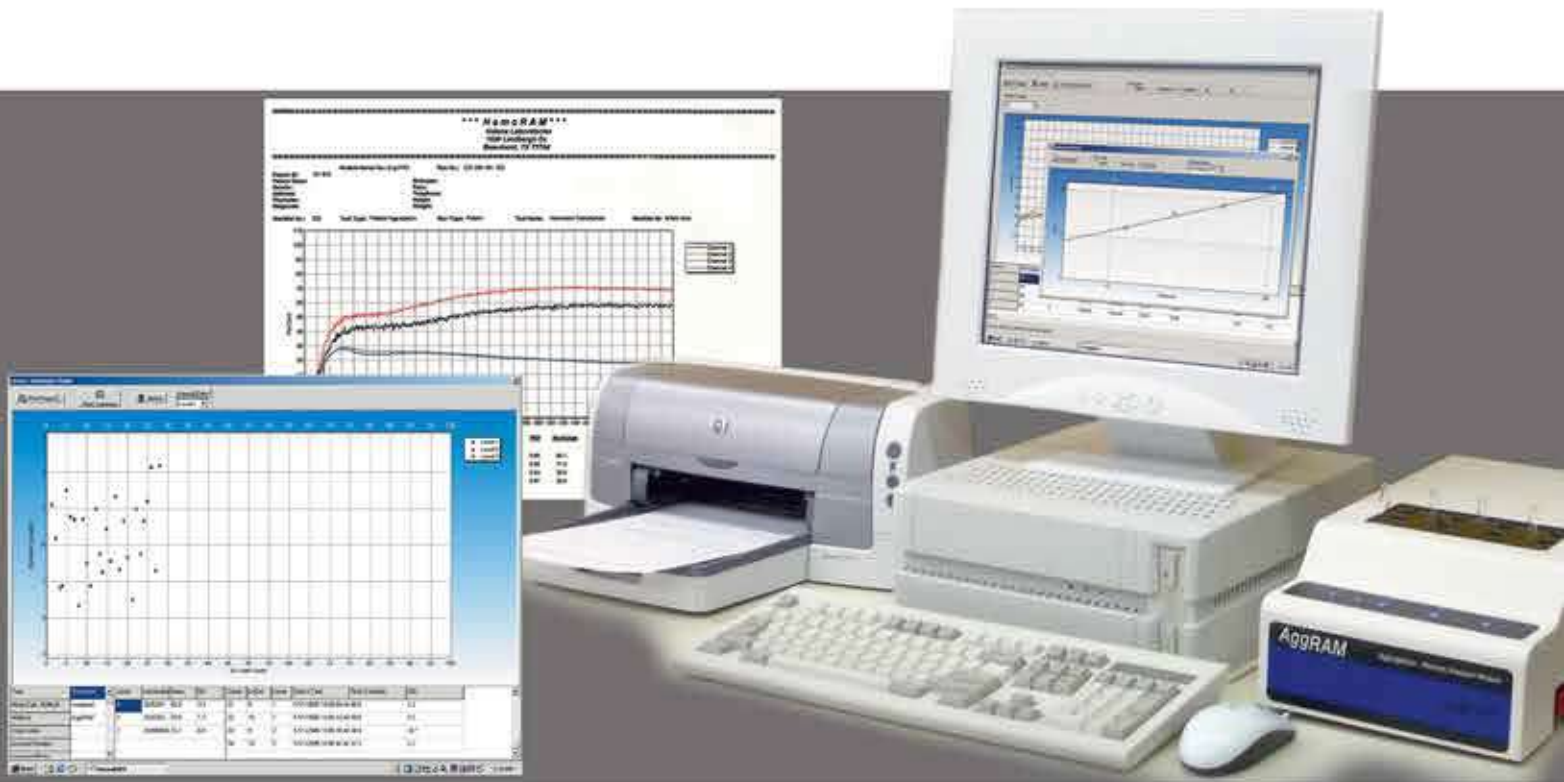
## AggRAM Features

- On-screen prompts step users through testing procedures
- Three levels of password protection, from user to administrator
- Auto slope and max % aggregation
- Display & print lag phase
- Quick access to data input screens
- Many patient demographic fields
- Barcode and bi-directional LIS capable
- Auto curve calculation and smoothing



## Advanced Laser Optics

Unlike the tungsten lamp optics of old, the AggRAM uses a laser diode to provide beautiful precision across all channels. Upon start-up, AggRAM performs a laser balance check to ensure reproducibility day to day, year to year. Advanced optics coupled with an improved algorithm for slope calculation greatly improve precision for ristocetin cofactor testing.



### Customized Reports

Include data from one channel or four, one patient or the whole run, or pull from data archives to profile patient results over time.

### Quality Reagents

AggRAM is complemented by a full line of Helena reagents for platelet aggregation, and ristocetin cofactor plus assayed reference plasmas.

### Quality Control

Evaluate and chart QC for ristocetin cofactor based on Westgard rules; generate Levy-Jennings charts, standard curves, etc. with an integral action log.

# AggRAM®

## AggRAM® Analyzer & Supplies

The AggRAM Analyzer includes CPU with CD burner, keyboard, mouse, color inkjet printer and one AggRAM module. One additional AggRAM module, for a total of two, can be handled by one Analyzer computer.

Cat. #	Description
1484	AggRAM Analyzer
1486	AggRAM Module
1487	AggRAM for Export
1667	Barcode Reader & Cabling
1473	Siliconized Cuvettes for AggRAM and PACKS 4, 200/pkg
1489	AggRAM Stir Bars, 30/pkg
9139	Service Manual for AggRAM

## Platelet Aggregation & Ristocetin Cofactor Reagents

Cat. #	Description
5366	ADP, 2 x 1 mL
5367	Epinephrine, 2 x 1 mL
5368	Collagen, 2 x 1 mL
5369	Platelet Aggregation Kit (5366, 5367, 5368)
5199	Ristocetin (for RIPA), 10 x 0.5 mL
5370	Ristocetin Cofactor Kit, 60 tests
5371	Lyophilized Platelets, 5 x 5 mL
5373	Risto Cofactor Abnormal Control, 5 x 0.5 mL
5372	Ristocetin (10 mg/mL), 5 x 1.5 mL
5365	Tris-Buffered Saline, 1 x 125 mL
5356	Lyophilized Platelets, 5 x 10 mL

## AggRAM® Specifications

**Test Types:** Platelet Aggregation and Ristocetin Cofactor Agglutination

**Absorbance Range:** 0.0 to 2.0 O.D.

**Measuring Wavelength:** 650 nm

**Optical Chambers per Module:** Four chambers for combined or individual measurements

**Cuvettes:** 8 mm x 60 mm (silicone coated glass)

**Stir Bars:** 3.5 mm x 4 mm (coated magnet)

**Incubation and Reaction Temperature:** 37°C +/-1°C

**Graphs:** -20% to 110% activity (+/- 0.5%) versus time

**Instrument Operating Environment:**

Ambient Temperature

Range 15° to 30°C (59° to 86°F)

### Module:

**Input Power:** 110/220 Vac, 50/60 Hz, 1200 Watts Maximum

**Dimensions:** 6" (15.24 cm) Tall x 10" (25.40 cm) Wide x 17" (43.18 cm) Deep

**Weight:** < 15 lbs (6.75 kg)

### Computer:

2.6 GHz or higher processor

2 GB or higher of RAM

250 GB hard drive

Microsoft® Windows® 7 Operating System

DVD-RW drive

20" widescreen LCD monitor

Keyboard and Mouse

Color Inkjet Printer



[www.helena.com](http://www.helena.com) > 800.231.5663

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