



IH-1000

The Powerhouse of the **IH**-Complete Family
of Immunohematology Test Systems

BIO-RAD

IH-1000

The powerhouse of Bio-Rad's
**IH-Complete Family of Immuno-
hematology Test Systems**

IH-Complete contains the broadest selection of testing methods and advanced information technology available from one supplier. Backed by innovative platforms, Bio-Rad's blood group serology methods include gel, microplate and tube, and are based on proven technologies to provide safe and accurate results.

As the original inventor of the gel method for blood grouping, Bio-Rad continues to revolutionize transfusion medicine with the **IH-1000 Automated Immuno-hematology Test System**.



What would it mean if you could automate your routine work leaving experienced staff available to handle complex serology testing?

IH-1000 components and software deliver:

- Software that's easy to learn & simple to use
- Instrumentation that's lean and flexible
- Data management that links platforms
- Reagents that support your testing preferences



IH-System Gel Cards

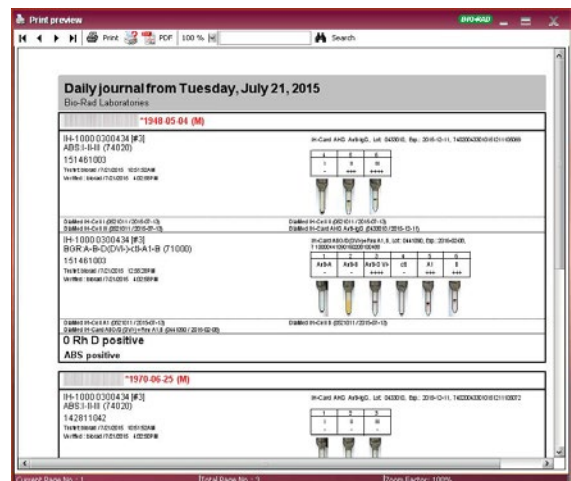
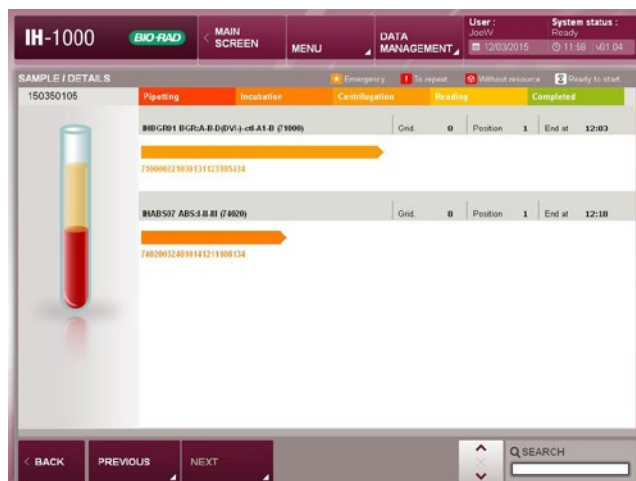
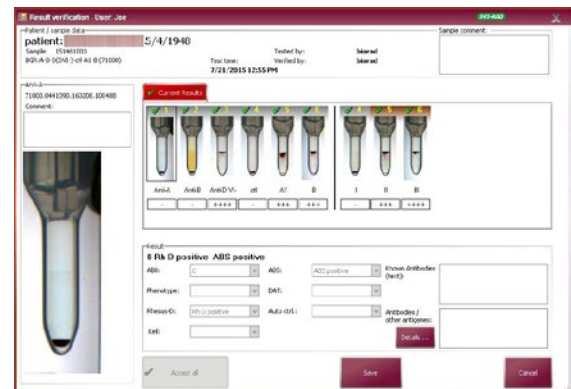
Bio-Rad not only offers more card configurations than any other manufacturer, we also offer the right configurations for the way you want to test. Combining Bio-Rad's long history with gel technology, a new transparent gel, and powerful monoclonal antibodies, Bio-Rad's **IH-System Gel Cards** are the right products for today's laboratories.

- Maximum productivity for ABO/Rh
- Flexibility in antiglobulin testing
- Flexibility in Rh & K phenotyping
- Simplicity in cord blood testing



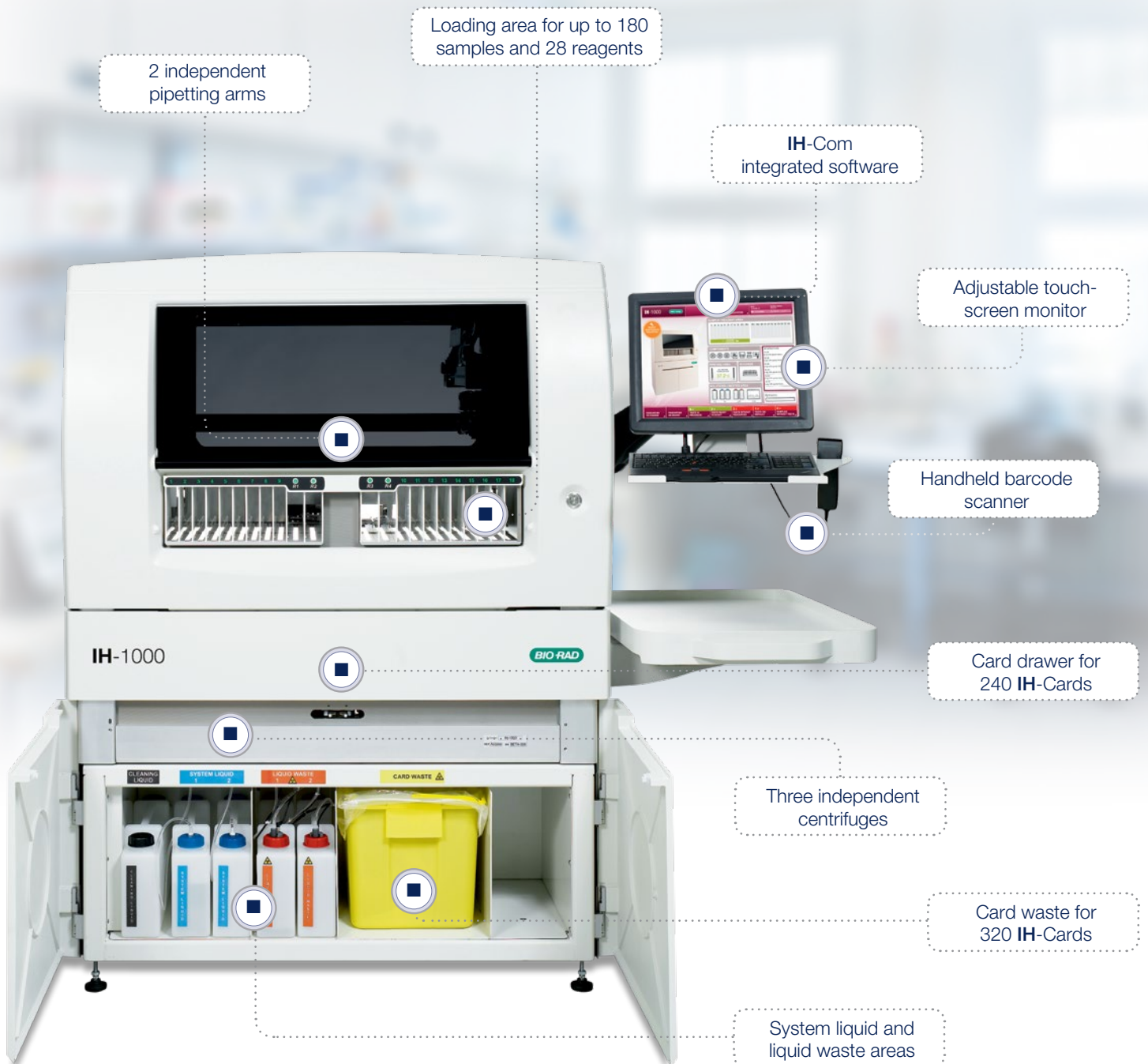
IH-Com - Integrated software for the IH-Complete Family

- Consolidates common functions for multiple platforms
 - Results validation, autoverification, and reporting
 - Quality control management
 - Automatic data backup
 - Remote result management with IH-Web
- Consolidates all sample results for multiple platforms
- Consolidates workflow for multiple platforms
 - An operator can handle multiple instruments
 - A facility can have one LIS interface for multiple instruments
 - A facility can electronically track lots
 - A facility can have electronic traceability



Effortless and efficient

The IH-1000 system is able to work independently for a minimum of 6 to 9 hours, allows sample loading whenever you want, and provides its own back-up system to ensure fast, automated sample processing at all times.



Lean automation to reduce labor

- On-board capacity for 240 IH-Cards
- On-board capacity for 28 reagent vials
- Auto-start upon sample loading
- Software-guided maintenance
- Minimal operator maintenance
- Remote result management



Drawer for 240 IH-Cards

Flexibility to meet your unique workflow

- Load one to 180 samples. It's your choice
- Load up to 20 different card types – depending on your facility's test patterns
- Define your facility's unique test profiles
- Define your facility's quality control requirements
- Define your facility's reflex and autovalidation requirements



Loading area for up to 180 samples and 28 reagent vials



Continuous loading of samples and reagents

Integrated back-up systems to maximize productivity

- 2 independent pipetting arms
- 3 independent centrifuges
- 2 independent system liquid containers
- 2 independent liquid waste containers



3 centrifuges

Specifications

Electrical Data

Voltage	100-240 VAC
Power fluctuation	± 10%
Transient overvoltage	category II
Frequency	50/60 Hz
Power consumption	1,350 VA

Environmental Conditions

Operating temperature	15°C to 28°C
Operating humidity	5% to 80% RH (Non-Condensing)
Altitude maximum	2,000 m

Dimensions

Width	68 in
Height	67 in
Depth	33 in
Weight	1,190 lbs

Capacity

Samples	180
IH Cards	240
Reagent vials	28

Emissions

Heat emission	2,457 Btu/h
Noise level	max. 65 dB(A)
Pollution level	2

Sample Container Requirements

Standard Tubes:	
Diameter:	10 -17 mm
Height:	75 -100 mm
Material:	Glass, PET or polyethylene
Shape:	Conical with round, flat or spherical bottom

Pediatric tubes acceptable

Sample Types

- Anticoagulated samples for all antigen testing (EDTA, citrate)
- Plasma or serum for antibody tests
- Donor segments
- Cord blood samples

Minimum Sample Requirements

- Varies by tube diameter and assays to be tested
 - 13 x 75 mm/Type and Screen – 1 ml Whole blood
 - Donor segment testing: 1-2 segments

Plumbing

- Self-contained liquid supply & waste with level detection
- No hard plumbing required

Test Menu

ABO/Rh

ABO/RhD(DVI-) (forward & reverse)
ABO/RhD(DVI+) (forward & reverse)
Anti-A,B x 6
Anti-A & Anti-B x 3
Anti-A, -B, -D(VI+) x 2
Anti-A, -B, -D(VI-) x 2
Anti-D(DVI+) x 6
Anti-D(DVI-) x 6
Weak D/D variant

Newborn Card

Anti-A, - B, -A,B, RhD(DVI+), Ctl, AHG

Phenotyping

Anti-C, -E, -c, -e, -K, ctl
Anti-C, -E, -K x 2
Anti-C x 6
Anti-E x 6
Anti-c x 6
Anti-e x 6
Anti-K x 6
Control x 6
Anti-C, - E, -c, -e, D(DV+), ctl

Antibody screening

Two, Three or Pooled

Antibody identification

11 cell, 11 cell papain
6 cell supplemental panel
Autocontrol

Direct AHG test (DAT)

Anti-IgG
Anti-IgG,-C3d

Reverse grouping

A1, A2 and B

Crossmatching

Ordering Information

Catalog #	Description
001100	IH-1000
009100V	IH-Com Kit Full Version

BIO-RAD

**Bio-Rad
Laboratories, Inc.**

For further information, please contact the Bio-Rad office nearest you or visit our website at www.bio-rad.com/immunohematology

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