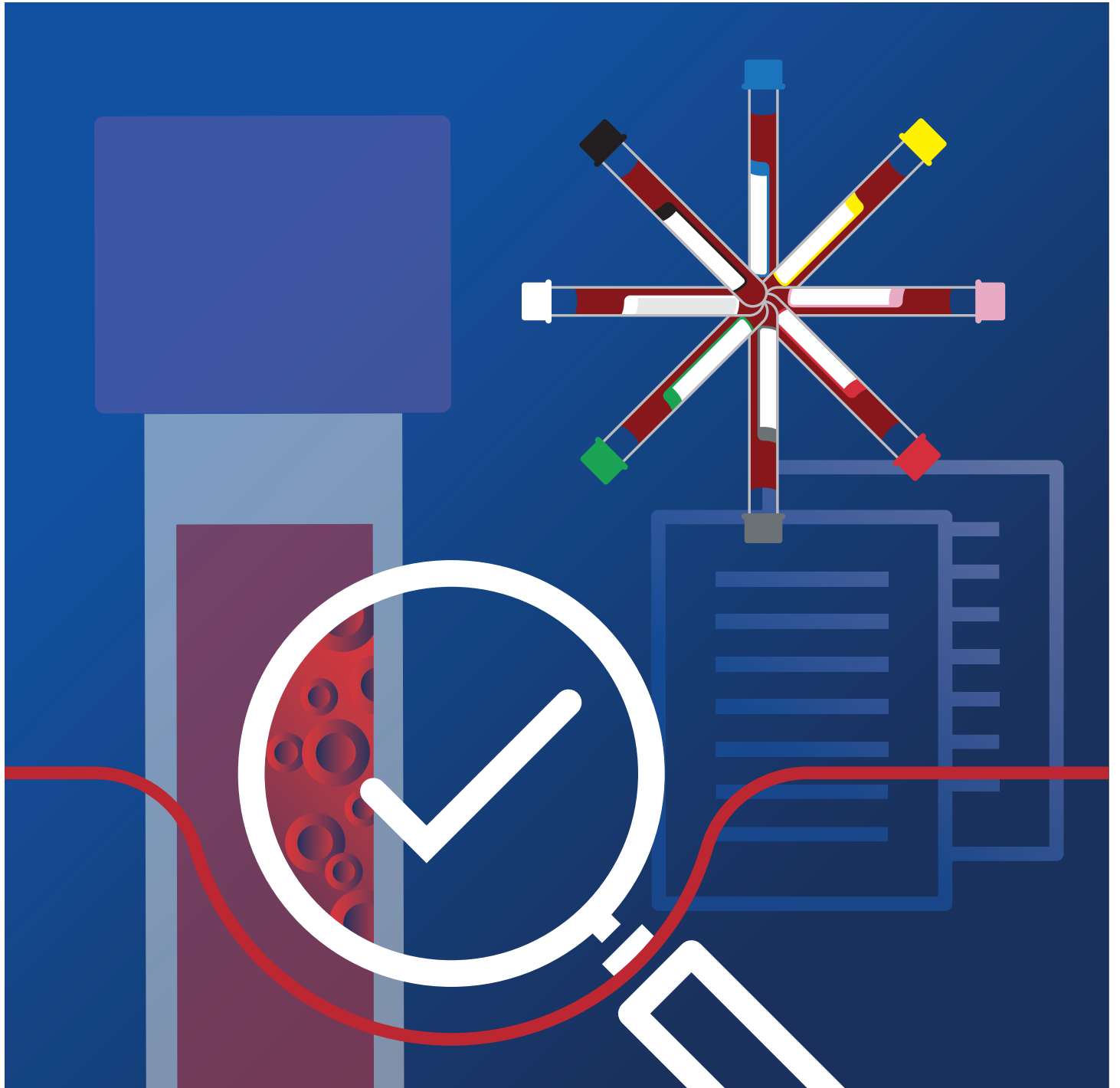


IH-QC Modular System

Select. Combine. Control.





Choose. Connect. **Control.** Community.

Control and manage an effective quality process



IH-QC Modular System

Select. Combine. Control.

Transfusion guidelines recommend regular evaluation of test materials, test methods, local working instructions, and automated equipment and instruments used.

The control sample should always have the same characteristics as a patient sample and therefore be treated identically.

These activities are intended to ensure accuracy and safety of the blood grouping serological results.

The IH-QC Modular System is a compact and flexible solution, covering different guidelines. It consists of 8 tubes containing human red blood cell suspensions to be combined according to your needs.

- Easily adaptable to guideline changes
- For manual and automated techniques
- Combine the tubes needed – avoid waste



IH-QC 1

- A₁ ddccee (rr), C^{w-}, K⁺
- The Anti-D ≤ 0.05 IU/ml is standardised against the WHO (World Health Organization) International Anti-D Standard which is controlled by an external accredited reference laboratory by Continuous Flow Assay
- Hematocrit: 15%
- Set of 4 x 6 ml tubes



IH-QC 2

- B DCcEe (R₁R₂), C^{w-}, K⁻, Fy(a⁻)
- Anti-Fy^a giving a positive reaction with a titre of ≤ 4 against Fy(a+b+) [FY:1,2] cells in IAT
- Hematocrit: 15%
- Set of 4 x 6 ml tubes



IH-QC 3

- AB DCCee (R₁R₁), C^w-, K-
- Anti-c giving a positive reaction of ≤ ++ reaction strength against C+c+ [RH:2,4] cells in IAT
- Hematocrit: 15%
- Set of 4 x 6 ml tubes



IH-QC 4

- O DccEE (R₂R₂), C^w-, K-
- Anti-K giving a positive reaction with a titre of ≤ 4 against K+k+ [KEL:1,2] cells in IAT
- Hematocrit: 15%
- Set of 4 x 6 ml tubes



IH-QC 5

- A₂ DCcee (R₁r), C^w-, K-
- Hematocrit: 15%
- Set of 4 x 6 ml tubes

Intended Use

IH-QC 1, IH-QC 2, IH-QC 3, IH-QC 4 and IH-QC 5 are intended to control the ID-System manually and/or with instruments for the determination of the ABO system, Rh (RH) system, Kell (KEL) system, and/or further immunohematology tests as listed below.

ANALYSIS	IH-QC 1	IH-QC 2	IH-QC 3	IH-QC 4	IH-QC 5
ABO forward and/or reverse grouping	✓	✓	✓	✓	✓
RhD typing	✓	✓	✓	✓	✓
Rh/K phenotyping	✓	✓	✓	✓	✓
Antibody screening/identification, Indirect Antiglobulin Test (IAT)	✓	✓	✓	✓	✓
Antibody screening/identification, 2 stage papain technique	✓	✓	✓	✗	✓
Crossmatch, Indirect Antiglobulin Test (IAT)	✓	✓	✓	✓	✓
Direct Antiglobulin Test (DAT)	✓	✓	✓	✓	✓

IH-QC 6



- Weak D
- The weak D cell is selected based on serologically obtained reactions
Reaction strength:
 - Direct testing: + to +++
 - IAT: usually an enhancement of reactivity is observed
- Hematocrit: 10%
- 1 x 6 ml tube

IH-QC 7



- DAT pos IgG
- Prepared by sensitizing red blood cells with an IgG antibody
- Hematocrit: 10%
- 1 x 6 ml tube

IH-QC 8



- DAT pos C3b (c/d)
- Prepared by coating human red blood cells with C3b (c/d) using a modified Fruitstone method
- No cross-reactivity with anti-IgG
- Hematocrit: 10%
- 1 x 6 ml tube

Intended Use

IH-QC 6, IH-QC 7 and IH-QC 8 are intended to control the ID-System manually and/or with instruments for the immunohematology tests listed below.

ANALYSIS	IH-QC 6	IH-QC 7	IH-QC 8
Direct Antiglobulin Test (DAT)	✓	✓	✓
RhD typing: direct testing and IAT	✓	✗	✗

Reagent Characteristics

	ABO	RH	K	FY	Antibodies		DAT
IH-QC 1	A ₁ [ABO:1,-2,3,4]	ddcc ^w ee (rr), C ^w - [RH:-1,-2,-3,4,5,-8]	K+ [KEL:1]	N/A	Anti-B [Anti-ABO2]	Anti-D 0.05 IU/ml [Anti-RH1]	Neg
IH-QC 2	B [ABO:-1,2,3]	DCcEe (R ₁ R ₂), C ^w - [RH:1,2,3,4,5,-8]	K- [KEL:-1]	Fy(a-) [FY:-1]	Anti-A [Anti-ABO1]	Anti-Fy ^a [Anti-FY1]	Neg
IH-QC 3	AB [ABO:1,2,3]	DCcEe (R ₁ R ₁), C ^w - [RH:1,2,-3,-4,5,-8]	K- [KEL:-1]	N/A	Anti-c [Anti-RH4]		Neg
IH-QC 4	O [ABO:-1,-2,-3]	DccEE (R ₂ R ₂), C ^w - [RH:1,-2,3,4,-5,-8]	K- [KEL:-1]	N/A	Anti-A and Anti-B [Anti-ABO1 and Anti-ABO2]	Anti-K [Anti-KEL1]	Neg
IH-QC 5	A ₂ [ABO:1,-2,3,-4]	DCc ^w ee (R ₁ r), C ^w - [RH:1,2,-3,4,5,-8]	K- [KEL:-1]	N/A	Anti-B* [Anti-ABO2]		Neg
IH-QC 6	N/A	Weak D [RH:W1]	N/A	N/A	N/A		Neg
IH-QC 7	N/A	N/A	N/A	N/A	N/A		Pos [IgG]
IH-QC 8	N/A	N/A	N/A	N/A	N/A		Pos [C3b (c/d)]

* No irregular antibodies added - negative antibody screening/identification

N/A: Not Applicable

Fully integrated with IH-Com

IH-Com allows you to review, download, and print your QC data when you need to.

Fully compatible with the following instruments



IH-500



IH-1000



Classic ID-GelStation



Swing TwinSampler



Saxo ID-Reader



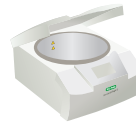
Banjo ID-Reader



ID-Incubator L



ID-Incubator 37 S I



ID-Centrifuge L



ID-Centrifuge 12 S II

Ordering Information

Catalog #	Description	
009321	IH-QC1 , Set of 4 tubes (Id-n°: 08710), 4 x 6 ml	1 Set
009322	IH-QC2 , Set of 4 tubes (Id-n°: 08720), 4 x 6 ml	1 Set
009323	IH-QC3 , Set of 4 tubes (Id-n°: 08730), 4 x 6 ml	1 Set
009324	IH-QC4 , Set of 4 tubes (Id-n°: 08740), 4 x 6 ml	1 Set
009325	IH-QC5 , Set of 4 tubes (Id-n°: 08750), 4 x 6 ml	1 Set
009326	IH-QC6 , Single tube (Id-n°: 08760), 1 x 6 ml.....	1 Tube
009327	IH-QC7 , Single tube (Id-n°: 08770), 1 x 6 ml.....	1 Tube
009328	IH-QC8 , Single tube (Id-n°: 08780), 1 x 6 ml.....	1 Tube

Bio-Rad is a trademark of Bio-Rad Laboratories, Inc.

IH-500, IH-1000 and IH-Com are trademarks of Bio-Rad Europe, GmbH in certain jurisdictions.



Bio-Rad Laboratories, Inc.

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

Clinical Diagnostics Group

Website www.bio-rad.com/diagnostics **Australia** +61 (2) 9914 2800 **Austria** +43 (0) 1 877 89 01 9 **Belgium** +32 (0) 3 710 53 00 **Brazil** +55 11 3065 7550 **Canada** +1 514 334 4372 **China** +86 21 6169 8500 **Czech Republic** +420 241 431 660 **Denmark** +45 44 52 10 00 **Finland** +358 9 804 22 00 **France** +33 (0)1 47 95 60 00 **Germany** +49 (0) 89 31884 393 **Greece** +30 210 7774396 **Hong Kong** +85 2 2789 3300 **Hungary** +36 1 459 6190 **India** +91 124 4029300 **Israel** +972 03 963 6025 **Italy** +39 024 94 86 600 **Japan** +81 3 6361 7070 **Korea** +82 080 007 7373 **Mexico** +52 (55) 5488 7670 **The Netherlands** +31 (0)318 540 666 **New Zealand** +64 (9)415 2280 **Norway** +47 23 38 41 30 **Poland** +48 22 331 99 99 **Portugal** +351 21 47 27 700 **Russia** +7 495 721 1404 **Singapore** +65 6415 3170 **South Africa** +27 11 442 8508 **Spain** +34 91 490 6580 **Sweden** +46 844 98053 **Switzerland** +41 (0) 61 717 9555 **Taiwan** +886 (2) 2578-7189 **Thailand** (662) 651 8311 **United Kingdom** +44 (0)1923 471301