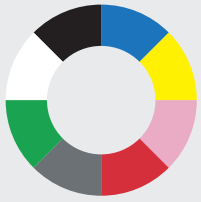


IH-QC Modular System

Select. Combine. Control.





IH-QC Modular System

Select. Combine. Control.

Transfusion guidelines recommend regular checking of test materials, test methods, local working instructions and automated equipment/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 controls should be carried out at regular intervals. Consult local guidelines.

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⁺
- Anti-D 0.05 IU/ml standardized against the WHO (World Health Organization) 01/572 International Standard 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: 10%
- 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)	✓	✓	✓	✓	✓

* **Additional information on the IH-QC 1.** For a limited period of time, the 2 stage papain method is not available. For further information, please contact your local Bio-Rad contact point.

IH-QC 6



- Weak D
- The weak D cell is selected based on serologically obtained reactions
Reaction strength:
 - Direct testing: + to +++
 - IAT: +++ to ++++
- 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 and anti-D for weak D confirmation	✓	✗	✗

Reagent Characteristics

	ABO	RH	K	FY	Antibodies		DAT
IH-QC 1	A ₁ [ABO:1,-2,3,4]	ddccee (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 ₂), 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]	DCcee (R,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)]

N/A: Not Applicable



Fully integrated
with IH-Com



Fully compatible with the following instruments



IH-500



IH-1000



ID-Incubator L



ID-Incubator 37 S I



**Techno
TwinStation**



**HemOS SP II
TwinSampler**



ID-Centrifuge L



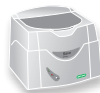
ID-Centrifuge 12 S II



**Classic
ID-GelStation**



**Swing
TwinSampler**



**Saxo
ID-Reader**



**Banjo
ID-Reader**

Ordering Information

Catalog #	Description
IH-QC Modular System	
009321	IH-QC 1 , Set of 4 tubes (Id-n°: 08710), 4 x 6 ml
009322	IH-QC 2 , Set of 4 tubes (Id-n°: 08720), 4 x 6 ml
009323	IH-QC 3 , Set of 4 tubes (Id-n°: 08730), 4 x 6 ml
009324	IH-QC 4 , Set of 4 tubes (Id-n°: 08740), 4 x 6 ml
009325	IH-QC 5 , Set of 4 tubes (Id-n°: 08750), 4 x 6 ml
009326	IH-QC 6 , Single tube (Id-n°: 08760), 1 x 6 ml
009327	IH-QC 7 , Single tube (Id-n°: 08770), 1 x 6 ml
009328	IH-QC 8 , Single tube (Id-n°: 08780), 1 x 6 ml

Visit www.bio-rad.com/immunohematology for more information.



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