

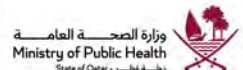
Antibody Identification -Case Study

Nasser Altowaileb, CLS,SBB(ASCP)
Group Laboratory Manager
Almoosa Health, SA

Joint-Provider



Under the Patronage of



Disclosure Statement

I make the following declaration in relation to this CPD Activity :

- This complies with the Ministry of Public Health in Qatar Department of Healthcare Professions MoPH-DHP accreditation standards.
- There is NO Conflict of Interest.
- There is no plagiarism or copyright infringement.
- The content is balanced and free of bias, either commercial or non-commercial.



Commonly used problem-solving techniques

- Enzyme Techniques
- Increase serum-to-cell ratio
- Increase incubation time
- Enhancement media
- Use of thiol reagents
- Prewarmed technique
- Inhibition tests
- Titration
- Adsorption
- Elution



A 33-year-old female pregnant follow-up with obstetrics.



Type and Screen Results

	Anti				Cells						
	-A	-B	-D		A1	B		I	II	III	Interpretation
IS	0	4+	0		4+	0		0	0	0	B Negative
RT								0	0	0	Antibody Screen Positive
37								0	0	0	
AHG								3+	3+	0	



QATAR HEALTH 20 to 2021
VIRTUAL CONFERENCE 23 JANUARY



To register, please visit: www.hamad.qa/QatarHealth2021
You may also send an email to QatarHealth2021@hamad.qa



Under the Patronage of



Initial panel tube method

	C	D	E	c	e	Cw	f	V	K	k	Kpb	Jsb	Fya	Fyb	Jka	Jkb	Lea	Leb	P1	M	N	S	s	Lua	Lub		AHG
1	+	+	0	0	+	+	\	\	0	+	+	+	+	+	+	0	0	+	0	+	0	+	0	+	+		3+
2	+	+	0	0	+	0	\	\	+	+	+	+	0	+	+	0	0	+	+	+	+	0	+	0	+		3+
3	0	+	+	+	0	0	\	0	0	+	+	+	+	0	+	+	0	+	+	+	0	+	+	0	+		3+
4	0	+	+	+	0	0	\	\	0	+	+	+	+	+	0	+	0	0	+	0	+	0	+	0	+		3+
5	0	+	+	+	0	0	\	\	0	+	+	+	0	0	+	0	+	0	+	+	+	0	+	0	+		3+
6	0	+	0	+	+	0	\	+	0	+	+	+	0	0	+	+	0	0	+	+	+	0	+	0	+		3+
7	+	0	0	+	+	0	\	0	0	+	+	+	0	+	0	+	0	+	+	+	0	+	+	0	+		0
8	0	0	+	+	+	0	\	\	0	+	+	+	+	+	+	+	0	+	+	+	+	+	+	0	+		0
9	0	0	0	+	+	0	+	0	+	+	+	+	+	0	+	+	+	0	+	+	+	+	+	+	+		0
10	0	0	0	+	+	0	\	\	0	+	+	+	0	0	+	+	0	+	+	0	+	0	0	0	+		0
11	0	0	0	+	+	0	+	0	+	+	+	+	+	+	0	+	0	+	+	0	+	0	+	0	+		0
12	0	0	0	+	+	0	\	\	0	+	+	+	0	0	+	0	0	0	+	0	+	0	+	0	+		0
13	0	0	0	+	+	0	\	+	0	+	+	+	0	0	+	+	0	+	+	0	+	0	+	0	+		0
14	+	0	0	0	+	0	\	\	0	+	+	+	+	+	0	+	0	+	0	+	+	+	0	0	+		0
15	+	+	+	+	+	0	\	\	0	+	+	+	0	+	+	+	0	+	+	0	+	+	0	0	+		3+
PT	0	0	0	+	+																						0

Anti-D



CASE 1

This sample is from a 27-year-old female with sickle cell anemia and G6PD deficiency. She has had multiple transfusions, and one month ago, two units of RBCs were transfused to her.



Type and Screen Results

	Anti				Cells						
	-A	-B	-D		A1	B		I	II	III	Interpretation
IS	4+	WK	4+		3+	4+		4+	4+	4+	? A Positive,
RT								4+	4+	4+	Antibody Screen Positive
37								3+	3+	3+	
AHG								3+	3+	3+	

DAT	Poly	IgG	C3
IS	1+	MIC	2+



Initial panel tube method

	C	D	E	c	e	Cw	f	V	K	k	Kpb	Jsb	Fya	Fyb	Jka	Jkb	Lea	Leb	P1	M	N	S	s	Lua	Lub	IS	RT	37	AHG
1	+	+	0	0	+	+	\	\	0	+	+	+	+	+	+	0	0	+	0	+	0	0	+	0	+	4+	4+	3+	3+
2	+	+	0	0	+	0	\	\	+	+	+	+	0	+	+	0	0	+	+	+	+	0	+	0	+	4+	4+	3+	3+
3	0	+	+	+	0	0	\	0	0	+	+	+	+	0	+	+	0	+	+	+	0	+	+	0	+	4+	4+	3+	3+
4	0	+	+	+	0	0	\	\	0	+	+	+	+	+	0	+	0	0	+	0	+	0	+	0	+	4+	4+	3+	3+
5	0	+	+	+	0	0	\	\	0	+	+	+	0	0	+	0	+	0	+	+	+	0	+	0	+	4+	4+	3+	3+
6	0	+	0	+	+	0	\	+	0	+	+	+	0	0	+	+	0	0	+	+	+	0	+	0	+	4+	4+	3+	3+
7	+	0	0	+	+	0	\	0	0	+	+	+	0	+	0	+	0	+	+	+	0	+	+	0	+	4+	4+	3+	3+
8	0	0	+	+	+	0	\	\	0	+	+	+	+	+	+	+	0	+	+	+	+	+	+	0	+	4+	4+	3+	3+
9	0	0	0	+	+	0	+	0	+	+	+	+	+	0	+	+	+	0	+	+	+	+	+	+	+	4+	4+	3+	3+
10	0	0	0	+	+	0	\	\	0	+	+	+	0	0	+	+	0	+	+	0	+	0	0	0	+	4+	4+	3+	3+
11	0	0	0	+	+	0	+	0	+	+	+	+	+	+	0	+	0	+	+	0	+	0	+	0	+	4+	4+	3+	3+
12	0	0	0	+	+	0	\	\	0	+	+	+	0	0	+	0	0	0	+	0	+	0	+	0	+	4+	4+	3+	3+
13	0	0	0	+	+	0	\	+	0	+	+	+	0	0	+	+	0	+	+	0	+	0	+	0	+	4+	4+	3+	3+
14	+	+	0	0	+	0	\	\	0	+	+	+	+	+	0	+	0	+	0	+	+	+	0	0	+	4+	4+	3+	3+
15	+	+	0	+	+	0	\	\	0	+	+	+	0	+	+	+	0	+	+	0	+	+	0	0	+	4+	4+	3+	3+
PT																										3+	4+	3+	2+



QATAR HEALTH 20 to 23 JANUARY 2021
VIRTUAL CONFERENCE



To register, please visit: www.hamad.qa/QatarHealth2021
You may also send an email to QatarHealth2021@hamad.qa



مؤسسة حمد الطبية
Hamad Medical Corporation
HEALTH · EDUCATION · RESEARCH
صحة · تعليم · بحوث

Under the Patronage of



Prewarm panel tube method

	C	D	E	c	e	Cw	f	V	K	k	Kpb	Jsb	Fya	Fyb	Jka	Jkb	Lea	Leb	P1	M	N	S	s	Lua	Lub	IS	RT	37	AHG	PreW
1	+	+	0	0	+	+	\	\	0	+	+	+	+	+	+	0	0	+	0	+	0	0	+	0	+	4+	4+	3+	3+	2+
2	+	+	0	0	+	0	\	\	+	+	+	+	0	+	+	0	0	+	+	+	+	0	+	0	+	4+	4+	3+	3+	2+
3	0	+	+	+	0	0	\	0	0	+	+	+	+	0	+	+	0	+	+	+	0	+	+	0	+	4+	4+	3+	3+	2+
4	0	+	+	+	0	0	\	\	0	+	+	+	+	+	0	+	0	0	+	0	+	0	+	0	+	4+	4+	3+	3+	2+
5	0	+	+	+	0	0	\	\	0	+	+	+	0	0	+	0	+	0	+	+	+	0	+	0	+	4+	4+	3+	3+	2+
6	0	+	0	+	+	0	\	+	0	+	+	+	0	0	+	+	0	0	+	+	+	0	+	0	+	4+	4+	3+	3+	2+
7	+	0	0	+	+	0	\	0	0	+	+	+	0	+	0	+	0	+	+	+	0	+	+	0	+	4+	4+	3+	3+	2+
8	0	0	+	+	+	0	\	\	0	+	+	+	+	+	+	+	0	+	+	+	+	+	+	0	+	4+	4+	3+	3+	2+
9	0	0	0	+	+	0	+	0	+	+	+	+	+	0	+	+	+	0	+	+	+	+	+	+	+	4+	4+	3+	3+	2+
10	0	0	0	+	+	0	\	\	0	+	+	+	0	0	+	+	0	+	+	0	+	0	0	0	+	4+	4+	3+	3+	2+
11	0	0	0	+	+	0	+	0	+	+	+	+	+	+	0	+	0	+	+	0	+	0	+	0	+	4+	4+	3+	3+	2+
12	0	0	0	+	+	0	\	\	0	+	+	+	0	0	+	0	0	0	+	0	+	0	+	0	+	4+	4+	3+	3+	2+
13	0	0	0	+	+	0	\	+	0	+	+	+	0	0	+	+	0	+	+	0	+	0	+	0	+	4+	4+	3+	3+	2+
14	+	+	0	0	+	0	\	\	0	+	+	+	+	+	0	+	0	+	0	+	+	+	0	0	+	4+	4+	3+	3+	2+
15	+	+	0	+	+	0	\	\	0	+	+	+	0	+	+	+	0	+	+	0	+	+	0	0	+	4+	4+	3+	3+	2+
PT																										3+	4+	3+	2+	2+



Elution panel tube method

	C	D	E	c	e	Cw	f	V	K	k	Kpb	Jsb	Fya	Fyb	Jka	Jkb	Lea	Leb	P1	M	N	S	s	Lua	Lub	IS	RT	37	AHG	PreW	Elution
1	+	+	0	0	+	+	\	\	0	+	+	+	+	+	+	0	0	+	0	+	0	0	+	0	+	4+	4+	3+	3+	2+	0
2	+	+	0	0	+	0	\	\	+	+	+	+	0	+	+	0	0	+	+	+	+	0	+	0	+	4+	4+	3+	3+	2+	0
3	0	+	+	+	0	0	\	0	0	+	+	+	+	0	+	+	0	+	+	+	0	+	+	0	+	4+	4+	3+	3+	2+	0
4	0	+	+	+	0	0	\	\	0	+	+	+	+	+	0	+	0	0	+	0	+	0	+	0	+	4+	4+	3+	3+	2+	0
5	0	+	+	+	0	0	\	\	0	+	+	+	0	0	+	0	+	0	+	+	+	0	+	0	+	4+	4+	3+	3+	2+	0
6	0	+	0	+	+	0	\	+	0	+	+	+	0	0	+	+	0	0	+	+	+	0	+	0	+	4+	4+	3+	3+	2+	0
7	+	0	0	+	+	0	\	0	0	+	+	+	0	+	0	+	0	+	+	+	0	+	+	0	+	4+	4+	3+	3+	2+	0
8	0	0	+	+	+	0	\	\	0	+	+	+	+	+	+	+	0	+	+	+	+	+	+	0	+	4+	4+	3+	3+	2+	0
9	0	0	0	+	+	0	+	0	+	+	+	+	+	0	+	+	+	0	+	+	+	+	+	+	+	4+	4+	3+	3+	2+	0
10	0	0	0	+	+	0	\	\	0	+	+	+	0	0	+	+	0	+	+	0	+	0	0	0	+	4+	4+	3+	3+	2+	0
11	0	0	0	+	+	0	+	0	+	+	+	+	+	+	0	+	0	+	+	0	+	0	+	0	+	4+	4+	3+	3+	2+	0
12	0	0	0	+	+	0	\	\	0	+	+	+	0	0	+	0	0	0	+	0	+	0	+	0	+	4+	4+	3+	3+	2+	0
13	0	0	0	+	+	0	\	+	0	+	+	+	0	0	+	+	0	+	+	0	+	0	+	0	+	4+	4+	3+	3+	2+	0
14	+	+	0	0	+	0	\	\	0	+	+	+	+	+	0	+	0	+	0	+	+	+	0	0	+	4+	4+	3+	3+	2+	0
15	+	+	0	+	+	0	\	\	0	+	+	+	0	+	+	+	0	+	+	0	+	+	0	0	+	4+	4+	3+	3+	2+	0
PT	0	+	0	+	+				0	+			0	0	+	+	0	+	+	+	0	0	+	0	+	3+	4+	3+	2+	2+	



QATAR HEALTH 20 to 23 JANUARY 2021
VIRTUAL CONFERENCE



To register, please visit: www.hamad.qa/QatarHealth2021
You may also send an email to QatarHealth2021@hamad.qa



مؤسسة حمد الطبية
Hamad Medical Corporation
HEALTH · EDUCATION · RESEARCH · صحة · تعليم · بحوث

Under the Patronage of



RESt adsorption panel tube method

	C	D	E	c	e	Cw	f	V	K	k	Kpb	Jsb	Fya	Fyb	Jka	Jkb	Lea	Leb	P1	M	N	S	s	Lua	Lub	IS	RT	37	AHG	PreW	Elution	RESt Ads
1	+	+	0	0	+	+	\	\	0	+	+	+	+	+	+	0	0	+	0	+	0	0	+	0	+	4+	4+	3+	3+	2+	0	0
2	+	+	0	0	+	0	\	\	+	+	+	+	0	+	+	0	0	+	+	+	+	0	+	0	+	4+	4+	3+	3+	2+	0	0
3	0	+	+	+	0	0	\	0	0	+	+	+	+	0	+	+	0	+	+	+	0	+	+	0	+	4+	4+	3+	3+	2+	0	2+
4	0	+	+	+	0	0	\	\	0	+	+	+	+	+	0	+	0	0	+	0	+	0	+	0	+	4+	4+	3+	3+	2+	0	2+
5	0	+	+	+	0	0	\	\	0	+	+	+	0	0	+	0	+	0	+	+	+	0	+	0	+	4+	4+	3+	3+	2+	0	2+
6	0	+	0	+	+	0	\	+	0	+	+	+	0	0	+	+	0	0	+	+	+	0	+	0	+	4+	4+	3+	3+	2+	0	0
7	+	0	0	+	+	0	\	0	0	+	+	+	0	+	0	+	0	+	+	+	0	+	+	0	+	4+	4+	3+	3+	2+	0	0
8	0	0	+	+	+	0	\	\	0	+	+	+	+	+	+	+	0	+	+	+	+	+	+	0	+	4+	4+	3+	3+	2+	0	2+
9	0	0	0	+	+	0	+	0	+	+	+	+	+	0	+	+	+	0	+	+	+	+	+	+	+	4+	4+	3+	3+	2+	0	0
10	0	0	0	+	+	0	\	\	0	+	+	+	0	0	+	+	0	+	+	0	+	0	0	0	+	4+	4+	3+	3+	2+	0	0
11	0	0	0	+	+	0	+	0	+	+	+	+	+	+	0	+	0	+	+	0	+	0	+	0	+	4+	4+	3+	3+	2+	0	0
12	0	0	0	+	+	0	\	\	0	+	+	+	0	0	+	0	0	0	+	0	+	0	+	0	+	4+	4+	3+	3+	2+	0	0
13	0	0	0	+	+	0	\	+	0	+	+	+	0	0	+	+	0	+	+	0	+	0	+	0	+	4+	4+	3+	3+	2+	0	0
14	+	+	0	0	+	0	\	\	0	+	+	+	+	+	0	+	0	+	0	+	+	+	0	0	+	4+	4+	3+	3+	2+	0	0
15	+	+	0	+	+	0	\	\	0	+	+	+	0	+	+	+	0	+	+	0	+	+	0	0	+	4+	4+	3+	3+	2+	0	0
PT	0	+	0	+	+				0	+			0	0	+	+	0	+	+	+	0	0	+	0	+	3+	4+	3+	2+	2+		



RESt adsorption panel tube method

	C	D	E	c	e	Cw	f	V	K	k	Kpb	Jsb	Fya	Fyb	Jka	Jkb	Lea	Leb	P1	M	N	S	s	Lua	Lub	IS	RT	37	AHG	PreW	Elution	RESt Ads
1	+	+	0	0	+	+	\	\	0	+	+	+	+	+	0	0	+	0	+	0	0	+	0	+	+	4+	4+	3+	3+	2+	0	0
2	+	+	0	0	+	0	\	\	+	+	+	+	0	+	+	0	0	+	+	+	+	0	+	0	+	4+	4+	3+	3+	2+	0	0
3	0	+	+	+	0	0	\	0	0	+	+	+	+	0	+	+	0	+	+	+	0	+	+	0	+	4+	4+	3+	3+	2+	0	2+
4	0	+	+	+	0	0	\	\	0	+	+	+	+	+	0	+	0	0	+	0	+	0	+	0	+	4+	4+	3+	3+	2+	0	2+
5	0	+	+	+	0	0	\	\	0	+	+	+	0	0	+	0	+	0	+	+	+	0	+	0	+	4+	4+	3+	3+	2+	0	2+
6	0	+	0	+	+	0	\	+	0	+	+	+	0	0	+	+	0	0	+	+	+	0	+	0	+	4+	4+	3+	3+	2+	0	0
7	+	0	0	+	+	0	\	0	0	+	+	+	0	+	0	+	0	+	+	+	0	+	+	0	+	4+	4+	3+	3+	2+	0	0
8	0	0	+	+	+	0	\	\	0	+	+	+	+	+	+	+	0	+	+	+	+	0	+	0	+	4+	4+	3+	3+	2+	0	2+
9	0	0	0	+	+	0	+	0	+	+	+	+	+	0	+	+	0	+	+	+	0	+	+	+	+	4+	4+	3+	3+	2+	0	0
10	0	0	0	+	+	0	\	\	0	+	+	+	0	0	+	+	0	+	+	0	+	0	0	0	+	4+	4+	3+	3+	2+	0	0
11	0	0	0	+	+	0	+	0	+	+	+	+	+	+	0	+	0	+	+	0	+	+	+	0	+	4+	4+	3+	3+	2+	0	0
12	0	0	0	+	+	0	\	\	0	+	+	+	0	0	+	0	0	0	+	0	+	0	+	0	+	4+	4+	3+	3+	2+	0	0
13	0	0	0	+	+	0	\	+	0	+	+	+	0	0	+	+	0	+	+	0	+	0	+	0	+	4+	4+	3+	3+	2+	0	0
14	+	+	0	0	+	0	\	\	0	+	+	+	+	+	0	+	0	+	0	+	0	+	0	0	+	4+	4+	3+	3+	2+	0	0
15	+	+	0	+	+	0	\	\	0	+	+	+	0	+	+	+	0	+	+	0	+	+	0	0	+	4+	4+	3+	3+	2+	0	0
PT	0	+	0	+	+			0	+				0	0	+	+	0	+	+	+	0	0	+	+	+	3+	4+	3+	2+	2+		



RESt adsorption panel tube method

	C	D	E	c	e	Cw	f	V	K	k	Kpb	Jsb	Fya	Fyb	Jka	Jkb	Lea	Leb	P1	M	N	S	s	Lua	Lub	IS	RT	37	AHG	PreW	Elution	RESt Ads
1	+	+	0	0	+	+	\	\	0	+	+	+	+	+	0	0	+	0	+	0	0	+	0	+	+	4+	4+	3+	3+	2+	0	0
2	+	+	0	0	+	0	\	\	+	+	+	+	0	+	0	0	+	+	+	+	0	+	0	+	+	4+	4+	3+	3+	2+	0	0
3	0	+	+	0	0	0	\	0	0	+	+	+	+	0	+	+	0	+	+	+	0	+	+	0	+	4+	4+	3+	3+	2+	0	2+
4	0	+	+	0	0	0	\	\	0	+	+	+	+	0	+	0	0	+	0	+	0	+	0	+	+	4+	4+	3+	3+	2+	0	2+
5	0	+	+	0	0	0	\	\	0	+	+	+	0	0	+	0	+	0	+	+	+	0	+	0	+	4+	4+	3+	3+	2+	0	2+
6	0	+	0	+	+	0	\	+	0	+	+	+	0	0	+	+	0	0	+	+	+	0	+	0	+	4+	4+	3+	3+	2+	0	0
7	+	0	0	+	+	0	\	0	0	+	+	+	0	+	0	+	0	+	+	+	0	+	+	0	+	4+	4+	3+	3+	2+	0	0
8	0	0	+	+	+	0	\	\	0	+	+	+	+	+	+	+	0	+	+	+	+	0	+	0	+	4+	4+	3+	3+	2+	0	2+
9	0	0	0	+	+	0	+	0	+	+	+	+	+	0	+	+	+	0	+	+	0	+	+	+	+	4+	4+	3+	3+	2+	0	0
10	0	0	0	+	+	0	\	\	0	+	+	+	0	0	+	+	0	+	+	0	+	0	0	0	+	4+	4+	3+	3+	2+	0	0
11	0	0	0	+	+	0	+	0	+	+	+	+	+	+	0	+	0	+	+	0	+	0	+	0	+	4+	4+	3+	3+	2+	0	0
12	0	0	0	+	+	0	\	\	0	+	+	+	0	0	+	0	0	0	+	0	+	0	+	0	+	4+	4+	3+	3+	2+	0	0
13	0	0	0	+	+	0	\	+	0	+	+	+	0	0	+	+	0	+	+	0	+	0	+	0	+	4+	4+	3+	3+	2+	0	0
14	+	+	0	0	+	0	\	\	0	+	+	+	+	+	0	+	0	+	0	+	0	+	0	0	+	4+	4+	3+	3+	2+	0	0
15	+	+	0	+	+	0	\	\	0	+	+	+	0	+	+	+	0	+	+	0	+	+	0	0	+	4+	4+	3+	3+	2+	0	0
PT	0	+	0	+	+			0	+				0	0	+	+	0	+	+	+	0	0	+	0	+	3+	4+	3+	2+	2+		

Case 1 Summary

Potent Cold autoantibody masked alloanti-E



CASE 2

This is a sample from a 45-year-old male with GI bleeding. He has a history of multiple transfusions. The last blood transfusion was 2 weeks.



Type and Screen Results

Tube testing

	Anti				Cells						
	-A	-B	-D		A1	B		I	II	III	Interpretation
IS	0	0	0		4+	4+		0	0	0	O Neagtive,
RT								0	0	0	Antibody Screen Positive
37								3+	3+	3+	
AHG								4+	4+	4+	



Initial panel tube method

	C	D	E	c	e	Cw	f	V	K	k	Kpb	Jsb	Fya	Fyb	Jka	Jkb	Lea	Leb	P1	M	N	S	s	Lua	Lub		37	AHG
1	+	0	0	+	+	0	+	0	0	+	+	+	0	+	0	+	0	+	+	0	+	0	+	0	+		3+	4+
2	+	+	0	0	+	+	0	0	0	+	+	+	0	+	+	0	0	+	0	+	+	+	+	0	+		3+	4+
3	+	+	0	0	+	0	0	0	0	+	+	+	+	0	+	0	0	0	+	+	0	+	+	+	+		3+	4+
4	0	+	+	+	0	0	0	0	+	+	+	+	0	+	+	+	0	+	+	0	+	0	+	0	+		3+	4+
5	0	0	+	+	+	0	+	0	0	+	+	+	+	+	0	+	0	+	+	+	+	0	+	0	+		3+	4+
6	0	0	0	+	+	0	+	0	0	+	+	+	+	+	+	+	+	0	+	+	+	+	+	0	+		3+	4+
7	0	0	0	+	+	0	+	0	0	+	+	+	+	+	0	+	0	+	+	+	0	+	0	0	+		3+	4+
8	0	0	0	+	+	0	+	0	0	+	+	+	+	0	+	0	0	+	+	+	0	0	+	0	+		3+	4+
9	0	0	0	+	+	0	+	0	0	+	+	+	0	+	+	0	+	0	+	+	+	+	0	0	+		3+	4+
10	0	+	0	+	+	0	+	+	0	+	+	+	0	0	+	+	0	0	+	+	+	+	0	0	+		3+	4+
11	+	+	+	+	+	0	0	0	+	+	+	+	0	+	0	+	+	0	+	0	+	+	+	0	+		3+	4+
PT																											3+	4+



QATAR HEALTH
VIRTUAL CONFERENCE

20 to 23
2021
JANUARY



To register, please visit: www.hamad.qa/QatarHealth2021
You may also send an email to QatarHealth2021@hamad.qa



مؤسسة حمد الطبية
Hamad Medical Corporation
HEALTH · EDUCATION · RESEARCH
صحة · تعليم · بحوث

Under the Patronage of



Tube testing

DAT	Poly	IgG	C3
IS	3+	3+	0



Elution panel tube method

	C	D	E	c	e	Cw	f	V	K	k	Kpb	Js b	Fya	Fyb	Jka	Jkb	Lea	Leb	P1	M	N	S	s	Lua	Lub	Elu
1	+	0	0	+	+	0	+	0	0	+	+	+	0	+	0	+	0	+	+	0	+	0	+	0	+	4+
2	+	+	0	0	+	+	0	0	0	+	+	+	0	+	+	0	0	+	0	+	+	+	+	0	+	4+
3	+	+	0	0	+	0	0	0	0	+	+	+	+	0	+	0	0	0	+	+	0	+	+	+	+	4+
4	0	+	+	+	0	0	0	0	+	+	+	+	0	+	+	+	0	+	+	0	+	0	+	0	+	4+
5	0	0	+	+	+	0	+	0	0	+	+	+	+	+	0	+	0	+	+	+	+	0	+	0	+	4+
6	0	0	0	+	+	0	+	0	0	+	+	+	+	+	+	+	0	+	+	+	+	+	+	0	+	4+
7	0	0	0	+	+	0	+	0	0	+	+	+	+	+	0	+	0	+	+	+	0	+	0	0	+	4+
8	0	0	0	+	+	0	+	0	0	+	+	+	+	0	+	0	0	+	+	+	0	0	+	0	+	4+
9	0	0	0	+	+	0	+	0	0	+	+	+	0	+	+	0	+	0	+	+	+	+	0	0	+	4+
10	0	+	0	+	+	0	+	+	0	+	+	+	0	0	+	+	0	0	+	+	+	+	0	0	+	4+
11	+	+	+	+	+	0	0	0	+	+	+	+	0	+	0	+	+	0	+	0	+	+	+	0	+	4+



QATAR HEALTH
VIRTUAL CONFERENCE

20 to 23 JANUARY
2021



To register, please visit: www.hamad.qa/QatarHealth2021
You may also send an email to QatarHealth2021@hamad.qa



مؤسسة حمد الطبية
Hamad Medical Corporation
HEALTH · EDUCATION · RESEARCH صحة · تعليم · بحوث

Under the Patronage of



Elution panel tube method

	C	D	E	c	e	Cw	f	V	K	k	Kpb	Jsb	Fya	Fyb	Jka	Jkb	Lea	Leb	P1	M	N	S	s	Lua	Lub	Elu
1	+	0	0	+	+	0	+	0	0	+	+	+	0	+	0	+	0	+	+	0	+	0	+	0	+	4+
2	+	+	0	0	+	+	0	0	0	+	+	+	0	+	+	0	0	+	0	+	+	+	+	0	+	4+
3	+	+	0	0	+	0	0	0	0	+	+	+	+	0	+	0	0	0	+	+	0	+	+	+	+	4+
4	0	+	+	+	0	0	0	0	+	+	+	+	0	+	+	+	0	+	+	0	+	0	+	0	+	4+
5	0	0	+	+	+	0	+	0	0	+	+	+	+	+	0	+	0	+	+	+	+	0	+	0	+	4+
6	0	0	0	+	+	0	+	0	0	+	+	+	+	+	+	+	+	0	+	+	+	+	+	0	+	4+
7	0	0	0	+	+	0	+	0	0	+	+	+	+	+	0	+	0	+	+	+	0	+	0	0	+	4+
8	0	0	0	+	+	0	+	0	0	+	+	+	+	0	+	0	0	+	+	+	0	0	+	0	+	4+
9	0	0	0	+	+	0	+	0	0	+	+	+	0	+	+	0	+	0	+	+	+	+	0	0	+	4+
10	0	+	0	+	+	0	+	+	0	+	+	+	0	0	+	+	0	0	+	+	+	+	0	0	+	4+
11	+	+	+	+	+	0	0	0	+	+	+	+	0	+	0	+	+	0	+	0	+	+	+	0	+	4+
PT	0	0	0	+	+				0	+	+	+	0	+	+	0	0	+	+	+	0	+	+	0	+	



QATAR HEALTH
VIRTUAL CONFERENCE

20 to 23 JANUARY
2021



To register, please visit: www.hamad.qa/QatarHealth2021
You may also send an email to QatarHealth2021@hamad.qa



مؤسسة حمد الطبية
Hamad Medical Corporation
HEALTH · EDUCATION · RESEARCH · صحة · تعليم · بحوث

Under the Patronage of



Triple allogenic adsorption panel

	C	D	E	c	e	Cw	f	V	K	k	Kpb	Jsb	Fya	Fyb	Jka	Jkb	Lea	Leb	P1	M	N	S	s	Lua	Lub	R1R1	R2R2	rr
1	+	0	0	+	+	0	+	0	0	+	+	+	0	+	0	+	0	+	+	0	+	0	+	0	+	0	4+	4+
2	+	+	0	0	+	+	0	0	0	+	+	+	0	+	0	0	+	0	+	0	+	+	+	0	+	0	4+	4+
3	+	+	0	0	+	0	0	0	0	+	+	+	+	0	+	0	0	0	+	+	0	+	+	+	+	2+	4+	4+
4	0	+	+	+	0	0	0	0	+	+	+	+	0	+	+	0	+	+	+	0	+	0	+	0	+	0	2+	2+
5	0	0	0	+	+	0	+	0	0	+	+	+	+	+	0	+	0	+	+	+	+	0	+	0	+	2+	3+	2+
6	0	0	0	+	+	0	+	0	0	+	+	+	+	+	+	+	0	+	+	+	+	+	+	0	+	2+	3+	2+
7	0	0	0	+	+	0	+	0	0	+	+	+	+	+	0	+	0	+	+	+	0	+	0	0	+	2+	3+	2+
8	0	0	+	+	+	0	+	0	0	+	+	+	+	0	+	0	0	+	+	+	0	0	+	0	+	2+	2+	0
9	0	+	0	+	+	0	+	0	+	+	+	+	0	0	+	0	+	0	+	+	+	+	0	0	+	0	0	0
10	0	+	0	+	+	0	+	+	0	+	+	+	0	0	+	+	0	0	+	+	+	+	0	0	+	0	2+	3+
11	+	+	+	+	+	0	0	0	+	+	+	+	0	+	0	+	+	0	+	0	+	+	+	0	+	0	4+	4+
PT	0	0	0	+	+				0	+	+	+	0	+	+	0	0	+	+	+	0	+	0	0	+			
R1R1	+	+	0	0	+				0	+	+	+	0	0	+	+	0	+	+	+	0	+	0	0	+			
R2R2	0	+	+	+	0				0	+	+	+	0	0	+	0	+	0	+	0	+	0	+	0	+			
rr	0	0	0	+	+				0	+	+	+	+	0	+	0	0	+	0	+	0	0	+	0	+			
Check cells worked with all negative reactions																												



QATAR HEALTH
VIRTUAL CONFERENCE

20 to 23 JANUARY
2021



To register, please visit: www.hamad.qa/QatarHealth2021
You may also send an email to QatarHealth2021@hamad.qa



مؤسسة حمد الطبية
Hamad Medical Corporation
HEALTH · EDUCATION · RESEARCH · صحة · تعليم · بحوث

Under the Patronage of



Triple allogenic adsorption panel

	C	D	E	c	e	Cw	f	V	K	k	Kpb	Jsb	Fya	Fyb	Jka	Jkb	Lea	Leb	P1	M	N	S	s	Lua	Lub	R1R1	R2R2	rr
1	+	0	0	+	+	0	+	0	0	+	+	+	0	+	0	+	0	+	+	0	+	0	+	0	+	0	4+	4+
2	+	+	0	0	+	+	0	0	0	+	+	+	0	+	+	0	0	+	0	+	+	+	+	0	+	0	4+	4+
3	+	+	0	0	+	0	0	0	0	+	+	+	+	0	+	0	0	0	+	+	0	+	+	+	+	2+	4+	4+
4	0	+	+	+	0	0	0	0	+	+	+	+	0	+	+	+	0	+	+	0	+	0	+	0	+	0	2+	2+
5	0	0	0	+	+	0	+	0	0	+	+	+	+	+	0	+	0	+	+	+	+	0	+	0	+	2+	3+	2+
6	0	0	0	+	+	0	+	0	0	+	+	+	+	+	+	+	+	0	+	+	+	+	+	0	+	2+	3+	2+
7	0	0	0	+	+	0	+	0	0	+	+	+	+	+	0	+	0	+	+	+	0	+	0	0	+	2+	3+	2+
8	0	0	+	+	+	0	+	0	0	+	+	+	+	0	+	0	0	+	+	+	0	0	+	0	+	2+	2+	0
9	0	+	0	+	+	0	+	0	+	+	+	+	0	0	+	0	+	0	+	+	+	+	0	0	+	0	0	0
10	0	+	0	+	+	0	+	+	0	+	+	+	0	0	+	+	0	0	+	+	+	+	0	0	+	0	2+	3+
11	+	+	+	+	+	0	0	0	+	+	+	+	0	+	0	+	+	0	+	0	+	+	+	0	+	0	4+	4+
PT	0	0	0	+	+				0	+	+	+	0	+	+	0	0	+	+	+	0	+	0	0	+			
R1R1	+	+	0	0	+				0	+	+	+	0	0	+	+	0	+	+	+	0	+	0	0	+			
R2R2	0	+	+	+	0				0	+	+	+	0	0	+	0	+	0	+	0	+	0	+	0	+			
rr	0	0	0	+	+				0	+	+	+	+	0	+	0	0	+	0	+	0	0	+	0	+			
Check cells worked with all negative reactions																												

Case 2 Summary

Warm autoantibody masked alloanti-C, -Fya, and -Jkb.



QATAR HEALTH
VIRTUAL CONFERENCE
20 to 23 JANUARY 2021



To register, please visit: www.hamad.qa/QatarHealth2021
You may also send an email to QatarHealth2021@hamad.qa



مؤسسة حمد الطبية
Hamad Medical Corporation
HEALTH · EDUCATION · RESEARCH
صحة · تعليم · بحوث

Under the Patronage of



Triple allogenic adsorption panel

	C	D	E	c	e	Cw	f	V	K	k	Kpb	Jsb	Fya	Fyb	Jka	Jkb	Lea	Leb	P1	M	N	S	s	Lua	Lub	R1R1	R2R2	rr
1	+	0	0	+	+	0	+	0	0	+	+	+	0	+	0	+	0	+	+	0	+	0	+	0	+	0	4+	4+
2	+	+	0	0	+	+	0	0	0	+	+	+	0	+	+	0	0	+	0	+	+	+	+	0	+	0	4+	4+
3	+	+	0	0	+	0	0	0	0	+	+	+	+	0	+	0	0	0	+	+	0	+	+	+	+	2+	4+	4+
4	0	+	+	+	0	0	0	0	+	+	+	+	0	+	+	+	0	+	+	0	+	0	+	0	+	0	2+	2+
5	0	0	0	+	+	0	+	0	0	+	+	+	+	+	0	+	0	+	+	+	+	0	+	0	+	2+	3+	2+
6	0	0	0	+	+	0	+	0	0	+	+	+	+	+	+	+	+	0	+	+	+	+	+	0	+	2+	3+	2+
7	0	0	0	+	+	0	+	0	0	+	+	+	+	+	0	+	0	+	+	+	0	+	0	0	+	2+	3+	2+
8	0	0	+	+	+	0	+	0	0	+	+	+	+	0	+	0	0	+	+	+	0	0	+	0	+	2+	2+	0
9	0	+	0	+	+	0	+	0	+	+	+	+	0	0	+	0	+	0	+	+	+	+	0	0	+	0	0	0
10	0	+	0	+	+	0	+	+	0	+	+	+	0	0	+	+	0	0	+	+	+	+	0	0	+	0	2+	3+
11	+	+	+	+	+	0	0	0	+	+	+	+	0	+	0	+	+	0	+	0	+	+	+	0	+	0	4+	4+
PT	0	0	0	+	+				0	+	+	+	0	+	+	0	0	+	+	+	0	+	0	0	+			
R1R1	+	+	0	0	+				0	+	+	+	0	0	+	+	0	+	+	+	0	+	0	0	+			
R2R2	0	+	+	+	0				0	+	+	+	0	0	+	0	+	0	+	0	+	0	+	0	+			
rr	0	0	0	+	+				0	+	+	+	+	0	+	0	0	+	0	+	0	0	+	0	+			

Check cells worked with all negative reactions

Case 2 Summary

Warm autoantibody masked alloanti-C, -Fya, and -Jkb.



QATAR HEALTH
VIRTUAL CONFERENCE
20 to 23 JANUARY 2021



To register, please visit: www.hamad.qa/QatarHealth2021
You may also send an email to QatarHealth2021@hamad.qa



مؤسسة حمد الطبية
Hamad Medical Corporation
HEALTH · EDUCATION · RESEARCH
صحة · تعليم · بحوث

Under the Patronage of



Summary

- If an unexpected antibody is detected in a patient's serum or plasma it must be identified.
- Identification can be done using different methods.
- *If the antibody is clinically significant, antigen-negative donors must be found and crossmatched for the patient, and a Coomb's crossmatch must be performed.*
- *If the antibody is not clinically significant, providing antigen-negative blood is unnecessary, but the donors must be compatible with Coomb's crossmatch.*



Thank you!

