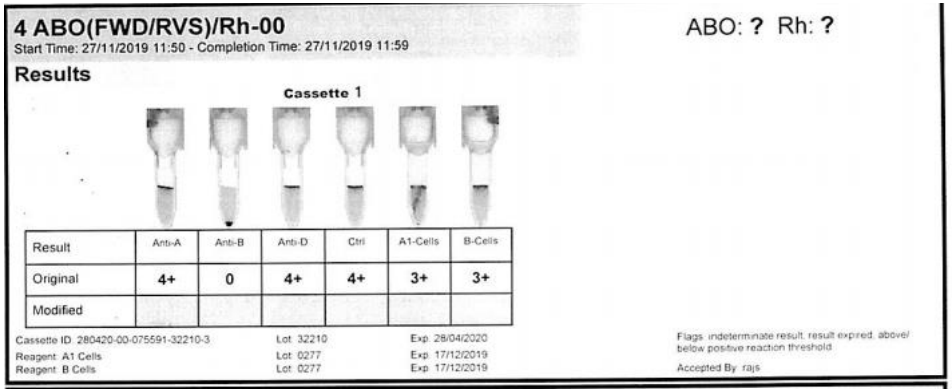


4 ABO(FWD/RVS)/Rh-00
Start Time: 27/11/2019 11:50 - Completion Time: 27/11/2019 11:59

ABO: **?** Rh: **?**

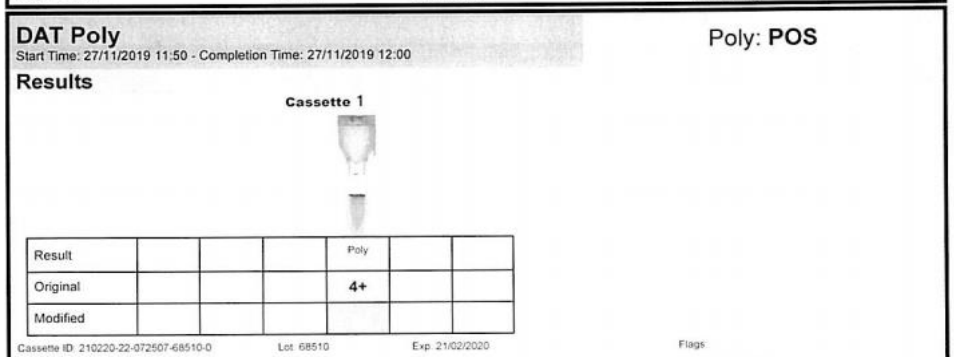
Results

Cassette 1

Result	Anti-A	Anti-B	Anti-D	Ctrl	A1-Cells	B-Cells
Original	4+	0	4+	4+	3+	3+
Modified						

Cassette ID: 280420-00-075591-32210-3 Lot: 32210 Exp: 28/04/2020
Reagent: A1 Cells Lot: 0277 Exp: 17/12/2019
Reagent: B Cells Lot: 0277 Exp: 17/12/2019

Flags: indeterminate result, result expired, above/below positive reaction threshold
Accepted By: rajs



DAT Poly
Start Time: 27/11/2019 11:50 - Completion Time: 27/11/2019 12:00

Poly: **POS**

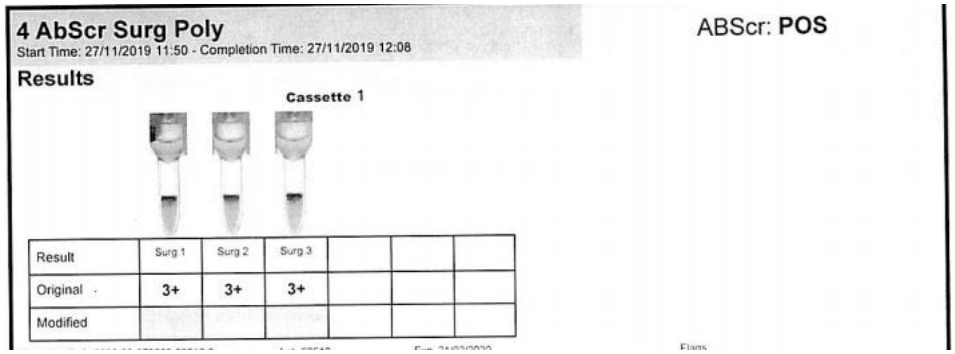
Results

Cassette 1

Result				Poly		
Original				4+		
Modified						

Cassette ID: 210220-22-072507-68510-0 Lot: 68510 Exp: 21/02/2020

Flags



4 AbScr Surg Poly
Start Time: 27/11/2019 11:50 - Completion Time: 27/11/2019 12:08

ABScr: **POS**

Results

Cassette 1

Result	Surg 1	Surg 2	Surg 3			
Original	3+	3+	3+			
Modified						

Flags

Presenting Complaint
Lethargy
Tiredness
Dark urine

History of Presenting Complaint
69M, background of warm autoimmune haemolytic anaemia

Presents with 3/7 history of brown/orange urine, feeling unwell and lethargic
Denies fevers
Denies infective symptoms: no cough/LUTS/diarrhoea/vomiting/constipation
No recent foreign travel

Patients historical blood group is A Pos rhesus phenotype of R1r. History of anti-C like autoantibody detected.

Screening cells and A1 cells repeated at strict 37°C. A1 cells negative, screening cells still 3+ reactions being observed.

DAT showing 4+ reactions with Poly and Anti-IgG in immediate spin, while Anti-C3d has a 1+ reaction with patient cells. After 5min Anti-C3d is observed to have a 2+ reaction with patient cells. An elution is conducted and a non-specific pan-agglutinating antibody is eluted.

To determine if the patient has any underlying clinically significant allo-antibodies potentially masked by the warm auto antibody, an auto adsorption is required.

Performing an Auto-Adsorption:

Phenocell B 3% Antigen Composition Sheet — **Batch No: 1664 197** — **Expiry Date: 23/12/2019**

Cell No	Reference No	Rh Phen.	RH: D	C	E	c	e	C^{w}	KEL: K	k	Kp^{a}	Fy^{a}	Fy^{b}	FY: Jk^{a}	Jk^{b}	JK: M	N	MNS: S	s	P1PK: P1	LE: Le^{a}	Le^{b}	LU: Lu^{a}	Additional Typings	Cell No	Results
1	4135608	$R_1{}^{w}R_1$	+	+	0	0	+	+	0	+	0	0	+	+	0	+	+	0	+	0	+	0	0		1	
2	2146231	R_1R_1	+	+	0	0	+	0	+	+	0	+	0	0	+	+	0	+	0	+	0	+	0	Co(b+), *Cs(a-)	2	
3	2227853	R_1R_1	w	w	0	0	w	0	0	w	0	w	0	0	w	0	w	±	±	w	w	0	0		3	○ ✓
4	4398907	R_2R_2	w	0	w	w	0	0	0	w	0	0	w	0	w	0	w	0	w	w*	0	w	w		4	○ ✓
5	2278162	R_2R_2	w	0	w	w	0	0	0	w	w	w	0	w	0	w	0	w	0	w	0	w	0		5	○ ✓
6	2172354	r'r	0	+	0	+	w	0	0	w	0	w	0	+	+	w	0	w	0	w	0	w	0	Co(b+)	6	○ ✓
7	2138870	r''r	0	0	+	w	+	0	0	w	0	0	+	0	w	+	+	0	w	0	0	w	0		7	○ ✓
8	2269224	rr	0	0	0	w	w	0	±	w	0	0	w	w	0	0	w	±	±	0	w	0	0		8	○ ✓
9	2055924	rr	0	0	0	w	w	0	0	w	0	0	w	±	±	w	0	w	0	w	0	0	0		9	○ ✓
10	2204055	rr	0	0	0	+	+	0	0	+	0	+	0	+	+	+	0	0	+	+^{w}	0	+	0		10	
11	2117666	rr	0	0	0	+	+	0	0	+	0	+	+	0	+	0	+	0	+	0	0	+	0		11	
Auto																									Auto	
	Reference No																							Reference No		
Ab1																								XM 3324835	Ab1	○ ✓
Ab2																								3342030	Ab2	○ ✓
Ab3																									Ab3	
		Rh Phen.	D	C	E	c	e	C^{w}	K	k	Kp^{a}	Fy^{a}	Fy^{b}	Jk^{a}	Jk^{b}	M	N	S	s	P1	Le^{a}	Le^{b}	Lu^{a}		Cord	
																									A_1	
																									A_2	
																									B	

This product is manufactured from blood donated by voluntary donors to the Australian Red Cross Blood Service (ARCBS).

Note: Cells 6, 7 and 8 form the RhD Negative Screening Cell Subset, formulated for antenatal RhD antibody screening in the presence of Prophylactic Anti-D.

*Cs^{a}: A high incidence antigen (Ref: Reid M.E., Lomas-Francis C., Olsson M.L., "The Blood Group Antigen FactsBook", 3rd Edition Pgs. 648-649).

- Once it has been confirmed that the patient has not been transfused with the last 90 days and 3 EDTA blood bank tubes have been collected the auto adsorption can begin.
- Patient cells must first be papanized. The purpose of papanizing the patient red cells is to optimise the adsorption cap acity of the red cells for the auto antibody.
- Once the cells a ready the patient plasma is used in a 1:1 ratio with the papanized red cells to adsorb the auto antibody fro m the plasma. As this patient has a strong antibody 3 adsorption processes had to take place to ensure the auto antibody has been adsorbed.
- The adsorbed plasma is then used to set up a panel by “classic” Antihuman Globulin technique. If not enough plasma a targeted panel can be created to help exclude all possible allo antibodies against their respective antigen. Ideally if there is some plasma left it can use used for a crossmatch.
- Auto adsorption procedure has been edited and can be viewed in fast track **CD_HA_0431**