

ABID #9

Lewis neutralization

4 drops saline	Neutralized serum				Control		
	IS	37 ^o	AHG		IS	37 ^o	AHG
SCI	0	0	0 ^v		w+	0	0 ^v
SCH	0	0	0 ^v		2+	2+	0 ^v

Questions:

1. What is the probable identity of this antibody(s)?
2. Is any further workup needed to prove your hypothesis?
3. What is the probable source of the immunizing stimulus in this case?
4. Why did the technologist choose to use the 4 drop serum/saline method?
5. Does this antibody(s) cause hemolytic transfusion reactions? Hemolytic disease of the fetus and newborn?
6. What percentage of donors are expected to be compatible with this recipient? How would we select blood for her?
7. What is the biochemical nature of the antigen? (Review the relevant blood group system, including disease associations and population differences in antigen prevalence.)