

ABID CASE #12

1. What is the probable identity of this antibody(ies)?

Anti-E and anti-K

2. Is any further workup needed to prove it? If additional cells need to be tested, what are their phenotypes?

No further workup is needed.

3. What is the probable source of the immunizing stimulus in this case?

Previous transfusion.

4. Is this patient at risk for hemolytic transfusion reactions?

Both antibodies can cause hemolytic transfusion reactions.

5. How would we select compatible blood for this patient? What percent of donors is expected to be compatible with this recipient?

We would select group B or O positive RBCs lacking both E and K antigens and then crossmatch them using an IAT method. Sixty five percent of donors are expected to be compatible with both antibodies ($0.71 \times 0.91 = 0.65$).