

## **Blood Grouping and Antibody testing in pregnancy –**

### **Supporting exercise questions**

#### **Clinical Details**

Patient 1 is a pregnant 30 year old female with history of a pregnancy 2 years ago. No atypical red cell antibodies have been detected. The sample was taken at booking.

**Look at panels for patient 1. What antibody/antibodies are detected?**

**What antibodies cannot be excluded? (Explain why they cannot be excluded)**

**What further testing would you perform on the sample?**

**Explain the clinical significance of the antibody detected in this case.**

**How often would you test this patient during pregnancy?**

**What samples would you request at delivery and what tests would you perform?**

**A DAT tested at delivery on cord sample was positive for IgG. Explain why and the significance of this result.**

**If the mother required a blood transfusion post natally what blood would you select? (Note: the mother typed as R1R1)**

**If the baby needed a transfusion post delivery what blood would you select and how would you crossmatch the red cell units? What additional requirements would you select if the baby had received an intrauterine transfusion? (Note: the baby typed as R1r)**