

Tube Testing, SPRCA, and Gel: A Comparison

Use this chart to compare & contrast the three blood banking methodologies.

Methodology	What does a positive reaction look like?	What does a negative reaction look like?	Tests for IgG, IgM, or both?	Includes incubation at 37C (yes/no)?	Includes centrifugation (yes/no)?	Advantages of this methodology	Disadvantages of this methodology
Tube	Antibody coated red cells visibly agglutinate after adding anti-IgG reagent						
Gel	Antibody coated cells get stuck in gel matrix following centrifugation						
Solid phase	Indicator cells adhere to the surface of the microwell when antibody is bound to red cell antigens coating the microwell.						