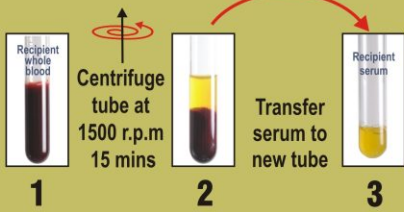


THE MAJOR CROSS MATCH

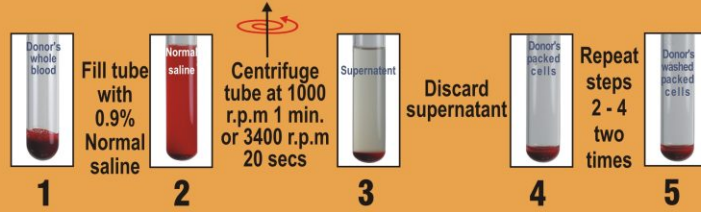
RECIPIENT'S WHOLE BLOOD

Preparation of Recipient serum



DONOR'S WHOLE BLOOD

Preparation of Donor's washed packed cells



Engineered For Ultimate Crossmatch Solutions

From Donor's washed packed cells prepare suspension

CLASSICAL TUBE TEST

Saline Phase	Incubation Phase	AHG (Coombs) Phase
<p>1 Label 2 tubes A (Albumin) S (Saline)</p> <p>2 Add 2 drops (100 µl) of recipient's serum</p> <p>3 Add 1 drop (50 µl) 5% Donors RBC suspension</p> <p>4 Only to tube A add 2 drops (100 µl) 22% BSA & mix well</p> <p>5 Centrifuge both tubes at 1000 r.p.m for one min or 3400 r.p.m for 20 secs</p> <p>OBSERVE FOR</p> <p>Agg/Hemolysis No Agg/Hemolysis</p> <p>Incompatible Stop Proceed to Incubation Phase</p>	<p>6 37°C R.T. 15 min</p> <p>Incubate Tube A - 37°C Tube S - R.Temp for 15 minutes</p> <p>7 Centrifuge both tubes at 1000 r.p.m for one min or 3400 r.p.m for 20 secs</p> <p>OBSERVE FOR</p> <p>Agg/Hemolysis No Agg/Hemolysis</p> <p>Incompatible Stop Proceed to AHG (Coombs) Phase</p>	<p>8 Fill the tube A with 0.9% Normal Saline for cell washing</p> <p>9 Centrifuge at 1000 r.p.m for one min or 3400 r.p.m for 20 secs</p> <p>10 Discard supernatant</p> <p>Repeat steps 8-10 three times. Decant completely to get washed packed cells</p> <p>11 Add 2 drops AHG reagent to washed packed cells</p> <p>12 Centrifuge tube at 1000 r.p.m for one min or 3400 r.p.m for 20 secs</p> <p>OBSERVE FOR</p> <p>Agg/Hemolysis No Agg/Hemolysis</p> <p>Incompatible Stop Proceed to validate with Coomb's control cells</p>

GEL TEST

matrix GEL SYSTEM

- Label AHG card and carefully remove the aluminum foil
- Add 50 µl of 0.8% Donor cell suspension in labelled microtube
- Add 25 µl of recipient serum to the same microtube
- Incubate the microtube at 37°C for 15 minutes
- Centrifuge AHG card in Matrix card centrifuge for 10 min

OBSERVE FOR

Agg/Hemolysis No Agg/Hemolysis

Mixed field Agglutination: +, 1+, 2+, 3+, 4+, Hemolysis

Incompatible **Stop** with Coomb's control cells

Compatible **Validate** with Coomb's control cells

Forward grouping Rh typing & crossmatch Special applications Cell Panels Matrix Gel

Eryclone® • Erybank® • Erygen • Eryscreen® • Eryscreen Plus® • Rhofinal® • Agtrol • Liquipap



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