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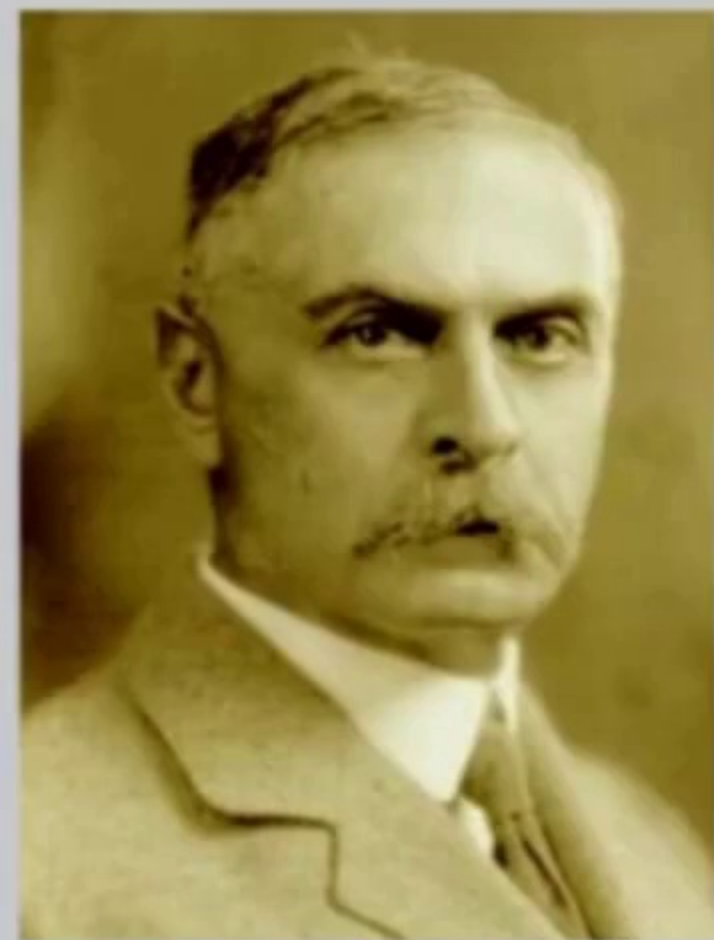
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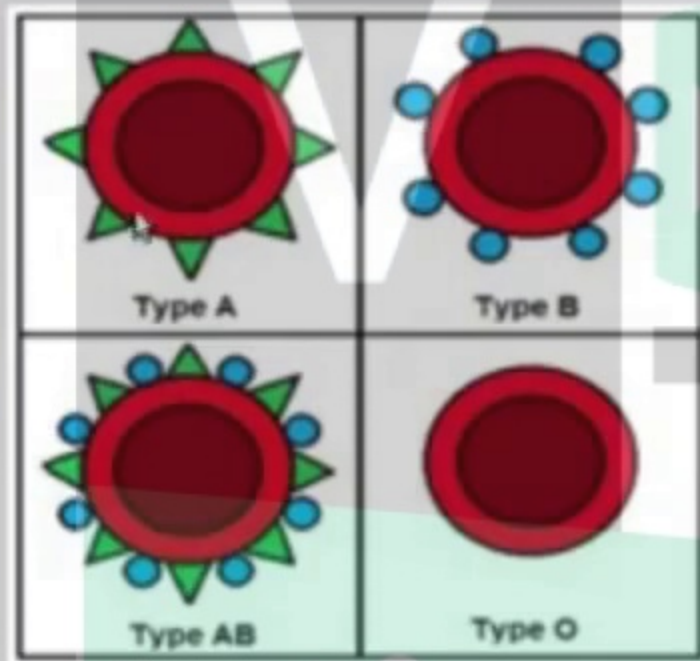
BLOOD GROUPS

ABO BLOOD GROUP AND RH GROUP SYSTEM

Blood Groups



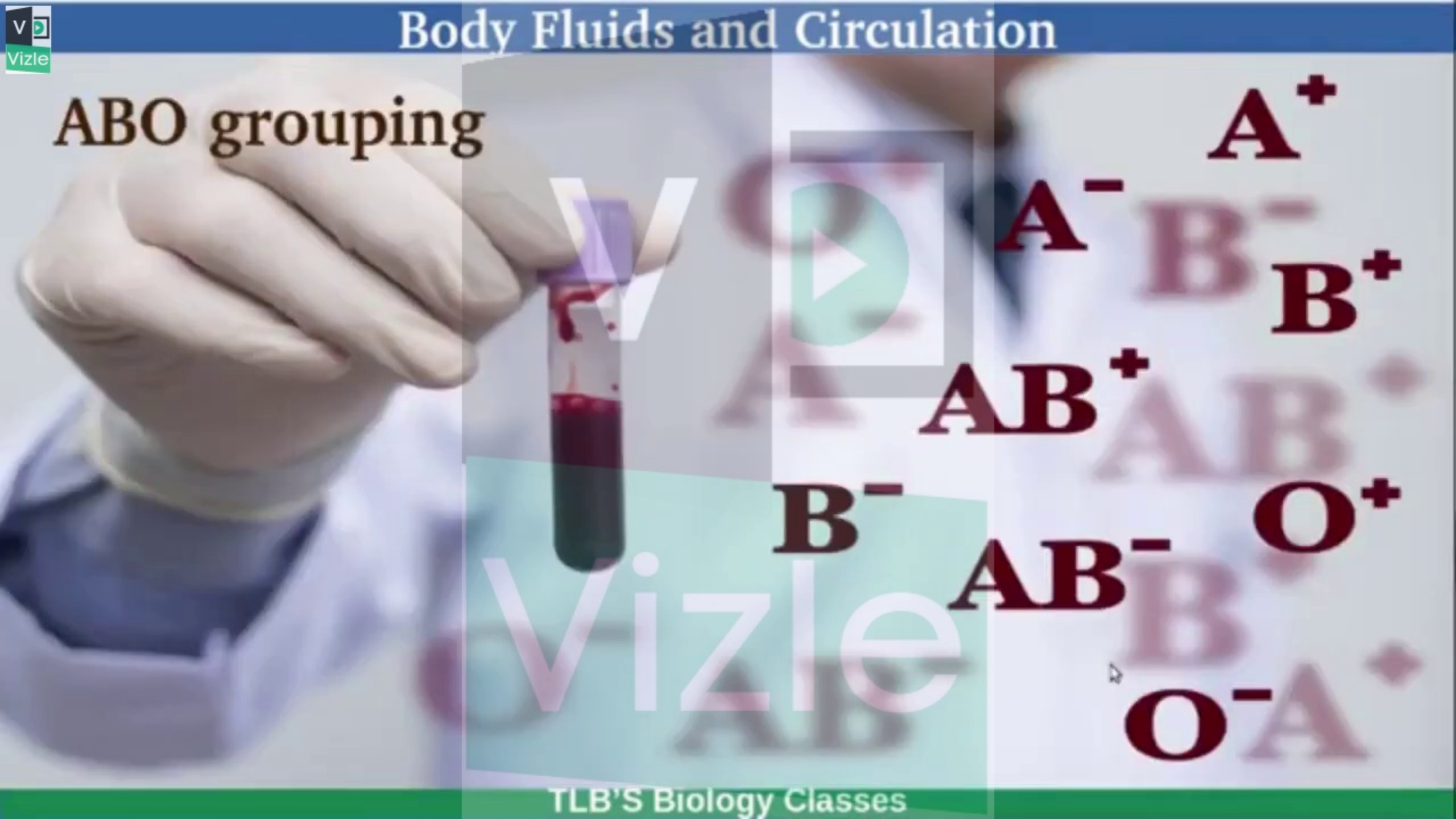
Karl Landsteiner



- Various types of grouping of blood has been done.
- Two such groupings – the ABO and Rh – are widely used all over the world.

Rh+ Rh-

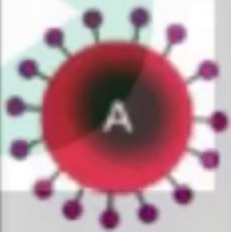
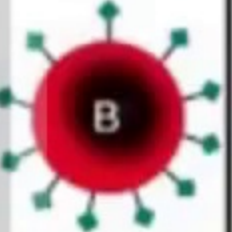
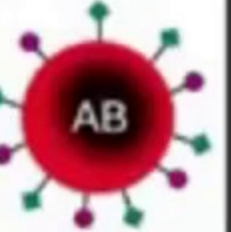







ABO grouping



Body Fluids and Circulation

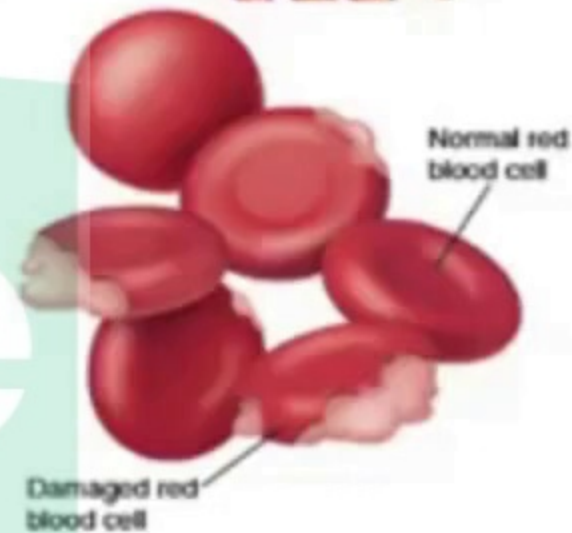
ABO grouping

- ABO grouping is based on the presence or absence of two surface antigens (chemicals that can induce immune response) on the RBCs namely A and B.

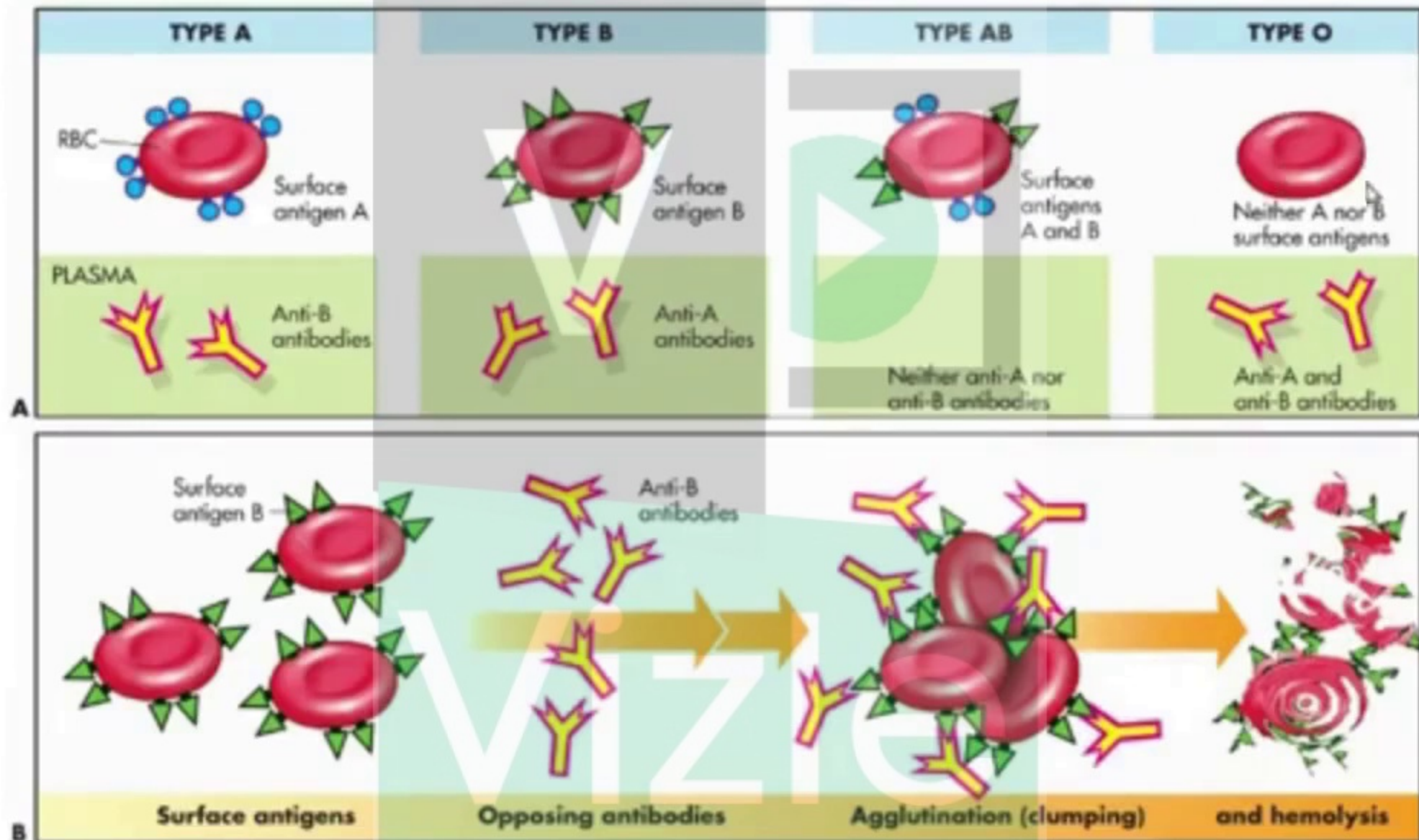
	Group A	Group B	Group AB	Group O
Red blood cell type				
Antibodies in plasma	 Anti-B	 Anti-A	None	 Anti-A and Anti-B
Antigens in red blood cell	 A antigen	 B antigen	 A and B antigens	None

ABO grouping

- During blood transfusion, any blood cannot be used; the blood of a donor has to be carefully matched with the blood of a recipient before any blood transfusion to avoid severe problems of clumping (destruction of RBC).



ABO grouping



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