

Anti-Human Globulin Serum (COOMBS)

IVD

REF.	Pack size
439 10 010	10 x 10 ml

Intended Use

Anti-Human Globulin serum is intended for the in-vitro detection of antibody coating on human erythrocytes.

Introduction

Antibodies immunoglobulins may become attached to human red cells either "in-vivo" or "in-vitro". "In-vivo" coating can occur if the body produces an auto-antibody against a self antigen located on its own red cells. "In-vitro" coating can occur during blood grouping tests compatibility testing prior to transfusion or when testing to detect and investigate atypical antibodies.

Recommended Procedures

Indirect Test - Tile method

- 1- Prepare 2 - 4 % suspension of red cells to be used in the test in physiological saline (85% Nacl pH 7.0)
- 2- Place in a small Test tube:
 - Two volumes of serum to be tested
 - 1 volume of 3% red cell suspension
 - 1 volume of 22% or 30 % SDI Bovine albumin
- 3- Mix well and incubate 37°C for 30 minutes
- 4- Wash the cells 4 times in large volumes in physiological saline. Decant completely the last wash.
- 5- Re-suspend the cell to a 3% suspension in physiological saline.
- 6- Mix on a clean tile or slide:
 - 1 volume of SDI anti-human globulin reagent
 - 1 volume of 3 % suspension washed cells
- 7- Allow to stand at room temperature for 5 minutes.
- 8- Rock the tile gently and examine for agglutination over a light source.

Indirect Test - Tube method

- 1- Prepare 2 - 4% suspension of the cells to be used in the test in physiological saline (0.85% Nacl pH 7.0)
- 2- Place in small Test tube:
 - Two volumes of serum to be tested
 - 1 volume of 3% red cell suspension
 - 1 volume of 22% or 30 % SDI Bovine albumin
- 3- Mix well and incubate at 37 °C for 30 minutes.
- 4- Wash the cells 4 times in large volumes of physiological saline. Decant completely the last wash.
- 5- Add 2 volumes of SDI anti-human globulin reagent.
- 6- Mix well and centrifuge at 1000 RPM (100 RDF) for 1 minute
- 7- Agitate the tube gently and examine macroscopically for agglutination. Negatives can be checked microscopically.

Direct Test - Tile method

- 1- Wash the red cells to be tested in large volumes of physiological saline. Decant completely the last wash.
- 2- Prepare a 3% suspension of washed red cells in physiological saline.
- 3- Mix on a clean tile or slide:
 - 1 drop of SDI anti-human globulin reagent
 - 1 drop of 3 % red cell suspension
- 4- Allow to stand at room temperature for 5 minutes.
- 5- Rock the tile gently and examine for agglutination over a light source.

Direct Test - Tube method

- 1- Wash the red cells 4 times in large volumes in physiological saline. Decant completely the last wash.
- 2- Re-suspend the cells to 5% suspension in physiological saline.
- 3- Place in a small Test tube:
 - 2 volumes of SDI anti-human globulin reagent
 - 1 volume of 3% suspension test red cells
- 4- Mix well and centrifuge at 1000 RPM (100 RDF) for 1 minute.
- 5- Agitate the tube gently and examine macroscopically for agglutination. Negatives can be checked microscopically.

Notes

- 1- Appropriate positive and negative controls must be used with each test or batch of test.
- 2- SDI anti-human globulin reagent is suitable for use with automated Coombs washing equipment.
- 3- This reagent is prepared by blending the serum from rabbits which have been immunized with different human globulin preparations.
- 4- Preservative: 0.1% sodium azide store at 2 - 8 °C .

SYMBOLS IN PRODUCT LABELLING

IVD

For in-vitro diagnostic use

LOT

Batch Code/Lot number

REF

Catalogue Number



Consult instructions for use



Temperature Limitation



Use by/Expiration Date



CAUTION. Consult instructions for use



Manufactured by