**Precautions:**

1. This reagent should contain human source material and should be handled and disposed of as if it is potentially infectious. Source material has been tested in accordance with FDA requirements and found negative.

2. Control cells are for in vitro diagnostic use only and are supplied ready for use, no dilution or modification is required.

3. This reagent is designed to be used by operators trained in serological techniques.

4. Caution: The Packaging of This Product Contains Natural Rubber Latex Which May Cause Allergic Reactions.

**Storage:**

The reagent should be stored at 2-8°C when not in use. Do not freeze or expose to elevated temperatures as improper storage may cause loss of reactivity. Do not use if markedly hemolyzed. Avoid contamination during use.

Re-suspend each vial of C3 Control Cells prior to use by gentle inversion.

**Procedure:**

**Materials Provided**

- Hemo bioscience C3 Control Cells

**Materials Required But Not Provided**

- Test Tubes and test tube rack
- Centrifuge (1,000 rcf)
- Pipettes
- Timer
- Anti-Human Globulin (AHG) reagent containing anti-C3

**Recommended Techniques:**

**Conventional Tube Testing**

1. Add one drop of C3 Control Cells to a negative Antiglobulin Test performed with an AHG reagent containing anti-C3. OR
2. Add one drop of C3 Control Cells to a tube containing 1 or 2 drops of AHG reagent containing anti-C3.
3. Mix well and centrifuge according to the Instructions for Use for the antiglobulin reagent in use.
4. Gently agitate the tube using a tip and roll technique to dislodge the red cells and immediately examine macroscopically for agglutination. Following centrifugation, tests should be read immediately and results should be interpreted without delay. Delays may result in the agglutination being dispersed.
5. If the C3 control cells show a negative reaction after step 3, re-suspend the contents of the tube and incubate at room temperature for 5 minutes (+/- 1 minute) then repeat steps 2 and 3. Weak complement/anti-complement reactions may be enhanced by a short incubation at room temperature.

**Interpretation of Results:**

**Positive Test**

Macroscopic agglutination of the red blood cells with a reaction strength of + or greater indicates the presence of active anti-C3b and/or anti-C3d in the test system. C3 Control Cell agglutination by anti-complement will show as a mixed field reaction, is rarely as strong as that seen with anti-IgG and is easily dispersed.

**Negative Test**

No agglutination of the red blood cells indicates the omission or possible inactivation of the AHG reagent. A negative test may also indicate that the AHG reagent used does not contain adequate anti-C3 activity.

**Bibliography:**

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