

## Lyophilized Rabbit Complement

Rabbit Serum Reagent used in  
Microlymphocytotoxicity Testing  
**Package Insert**

RC-FD5, COMP25, RC-FD2, LYODR1

### INTENDED USE

For use as the complement reagent in a complement-dependent microlymphocytotoxicity assay. The reactivity of various lots of complement should be pre-tested by the laboratory using their specific methods and target cells.

*For In Vitro or Research Use.*

### SUMMARY/EXPLANATION

Rabbit Complement is prepared from healthy, 6-10 week old, rabbits. Pooled rabbit serum (500-800 rabbit pool) provides a solution to possible toxicity of any individual sera within the pool. A lot of complement needs to be titered to determine the appropriate concentration to be used during laboratory testing.

- Store lyophilized complement aliquots at  $\leq -20^{\circ}\text{C}$ , indefinitely.
- Lyophilized complement should be reconstituted with appropriate volume of ice-cold sterile distilled water. After reconstitution, store at  $4^{\circ}\text{C}$  for up to 1 hour.

Complement was extensively studied in the 1970s. Several sources of complement were tested. Rabbit complement proved to be the best-suited source for complement when used in microlymphocytotoxicity testing. There are different methods that may be used to determine the appropriate dilution of complement. The method of titration is laboratory dependent based on the type of testing performed in the laboratory.

**Caution:** Frequent freeze-thaw cycles must be avoided. Complement is heat-labile.

Dispose of according to local regulations.

### INSTRUMENTS/EQUIPMENT

(Not included with reagent)  
 $\leq -20^{\circ}\text{C}$  Freezer

### INSTRUCTIONS FOR USE

1. Reconstitute with ice-cold sterile distilled water.
2. Gently swirl to ensure that all material is dissolved.
3. Keep on ice or at  $4^{\circ}\text{C}$ . Use within 1 hour.
4. All lots of complement should be pre-screened by the user laboratory to determine the level of reactivity and suitability for the specific target cells and methods employed. Aliquots should be assessed for potency at least annually.

### REACTIVITY

1. Desired reactivity levels vary based on methods, targets, and previous reactivity standard.

### STORAGE, HANDLING, SHIPPING

Lyophilized rabbit complement is shipped at  $2$  to  $8^{\circ}\text{C}$  or  $\leq -20^{\circ}\text{C}$ . Promptly store at  $\leq -20^{\circ}\text{C}$ , upon arrival.

### BIBLIOGRAPHY

Rodey, C.E. HLA Beyond Tears 2000:75-77.

Cannady, W.G., Marin, S.L., Yunis, E.J., and Inbar, M.: Effects of Fresh Serum Obtained from Baby, Young, and Mature Rabbits on the Specificity and Cross-Reactivity of HLA Reactions: Transplant. Proc., 10:729-734, 1978.

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Good science starts with people.®

- FOR IN VITRO OR RESEARCH USE
- STORE AT  $\leq -20^{\circ}\text{C}$

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REF

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