

Technically  
Speaking

**CEDARLANE**<sup>®</sup>   
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Conveniently Delivering You Today's Innovations  
for the Science of Tomorrow™

**STANDARD RABBIT COMPLEMENT**  
(Pooled Normal Rabbit Serum)



CL3001-EU: 25x1 ml, frozen  
CL3002-EU: 2 ml, frozen  
CL3005-EU: 5x5 ml, frozen  
CL3010-10-EU: 10 ml, frozen

CL3010-EU: 100 ml, frozen  
CL3025-EU: 250 ml, frozen  
CL3050-EU: 500 ml, frozen  
CL3111-EU: 25x1 ml, lyophilized

CL3112-EU: 10x2 ml, lyophilized  
CL3115-EU: 5x5 ml, lyophilized  
CL3120-EU: 5x20 ml, lyophilized

For *In Vitro* Diagnostic Use

**Intended Use:**

It is intended for use as a source of complement for any of the standard lymphocytotoxicity procedures utilizing human peripheral blood lymphocytes (PBL's).

**Formulation:**

Standard Rabbit Complement is derived from a pool of normal rabbit serum. It contains no other additives or preservatives.

**Warnings:**

1. Follow Universal Precautions when handling, storing, and disposing of the contents of this product.
2. Use appropriate personal protective equipment while working with the reagent provided.
3. Product is to be used by laboratory-trained or tissue typing-trained staff.
4. Standard rabbit complement contains material of animal origin and should be handled as a potential carrier and transmitter of disease.
5. Disposal of the product should be in accordance with local environmental regulations.

**Precautions:**

1. Per the intended use, Standard Rabbit Complement is to be used as a source of complement for any of the standard lymphocytotoxicity procedures utilizing human PBL's. It is the responsibility of each investigator to determine the appropriate complement dilutions as well as include appropriate controls in their assay set up. If there are any changes to the analytical performance of Standard Rabbit Complement in the developed lymphocytotoxicity assay, please contact Cedarlane Corporation (see details below).
2. Discard and do not use product if there is any visible damage on the protective packaging.
3. Do NOT use product contents after the "Use By" date indicated on the label.
4. Standard Rabbit Complement is a single-use device and should not be re-used after incorporation into user developed lymphocytotoxicity assay.

**Frozen Complement:**

Thaw the complement by incubating in an ice bath. Do not subject complement to temperatures above 4°C. Use within one hour of thawing. Do not refreeze.

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An ISO 9001:2015 and ISO 13485:2016  
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### **Lyophilized Complement:**

Reconstitute with ice cold distilled water. Gently agitate to ensure that all lyophilized material is dissolved. Use within one hour of reconstitution. Keep reconstituted material on ice at all times. Storage of the reconstituted serum for longer periods at 4°C or freezing and thawing of the reconstituted material will result in reduced potency.

**NOTE:** This material will appear cloudy after reconstitution. The cloudy appearance is a result of the lyophilization process and does not affect potency.

### **Storage and Stability: Use before printed expiration date.**

FROZEN: Store at -70°C.

LYOPHILIZED: Store at -20°C before reconstitution. After reconstitution, store at 4°C for a maximum of **one hour**.

### **Sterility:**

This reagent is not sold as sterile but can be sterilized by filtration if necessary. It is preferable to dilute the complement to a final working concentration before filtration in order to minimize loss of volume.

### **Usage:**

This Rabbit Complement has been tested in a microlymphocytotoxicity assay utilizing anti-HLA antiserum and human lymphocytes. It was found to be a potent source of complement and to possess minimal non-specific lymphocytotoxins.

**It is the responsibility of each investigator to determine the appropriate complement dilutions as well as include appropriate controls into their assay set up.**

### **Performance:**

Cytotoxic Titer: 1:4 - 1:8 dilution of standard rabbit complement\*  
Toxicity: <20% at neat dilution of standard rabbit complement

\*Tested in a microlymphocytotoxicity assay, using an anti-HLA-A2 antiserum at a dilution of 1/4 on human PBLs purified using Lympholyte®-H cell separation media.

### **Characterization:**

To ensure consistent high-quality reagents, each batch of standard rabbit complement is tested for conformance, to ensure that it is a sufficient source of rabbit complement relative to a control batch.

### **References:**

1. NIAID Manual of Tissue Typing Techniques 1979-1980, Edited by J.G. Ray, NIH Publication No. NIH-83-545.
2. ASHI Laboratory Manual, 4<sup>th</sup> ed, Volume I. 2000. Edited by A.B. Hahn; G.A. Land and R.M. Strothman. Published by the American Society for Histocompatibility and Immunogenetics.



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