

PRODUCT INFORMATION SUMMARY: HUMAN COMPLEMENT KITS

Pel-Freez Biologicals is proud to announce the addition of Human Complement Kits to our Complement product line.

Our Human Complement Kit contains one milliliter of each of the following: neat pooled human serum, IgG depleted, IgG/IgM depleted, and IgG/IgM/IgA depleted human complement. All complement components are derived from the same serum pool. This removes lot-to-lot variability due to the differences of donor serum used in manufacturing the serum pools. Using the same serum source allows our customers to evaluate what type of depletion is required to remove the appropriate interfering antibody population(s).

Pel-Freez uses proprietary methods to remove IgG, IgM, and IgA antibodies. Following antibody depletion, human serum is tested for residual antibodies and complement activity. Antibody-depleted complement is filtered through a 0.2 µm filter, bottled, and frozen at -80°C. Quality control measures include residual IgG, IgM, and IgA concentrations via HPLC testing and complement activity via hemolytic titer (CH50).

Once the end-user has completed their internal testing and determined what type of antibody interferes with their assay(s), the appropriate product can then be selected for larger volume purchase. We offer pre-screening of lots prior to bulk purchase to ensure that the customer will be provided with a usable complement source.



Key characteristics of the Human Complement Kit:

- Components are derived from the same serum pool.
- Each vial of depleted complement must contain less than 3.5% residual antibody for each antibody type.
- Complement activity is retained and is measured by CH50.
- 1 mL sample size for each type of complement source.
- Customization of kit components is available upon request.

Product Description	Product Code	Kit Components
Human Complement Kit 1 mL	34500	• 34019-1: Human Serum Pooled • 34009-1: Human Complement IgG Depleted Pooled • 34010-1: Human Complement IgG/IgM Depleted Pooled • 34041-1: Human Complement IgG/IgM/IgA Depleted Pooled

Pel-Freez Biologicals' products are manufactured according to established protocols and undergo quality control testing to ensure consistent performance. Our production facility is an ISO 9001:2015 certified entity. All products must meet or exceed minimum standards prior to sale.

Visit www.pel-freez.com to learn more!