Normal Human Complement Standard

For Research Use Only. Not for use in diagnostic procedures

Background
Quidel's Human Complement Standard is a uniform pool of human serum complement that has been characterized for levels and activities of a variety of complement proteins. Unlike lyophilized complement sources, Quidel complement standard maintains high levels of complement hemolytic activity and antigenic integrity. For this reason it is an ideal external standard for a variety of laboratory functional and antigenic assays for specific complement proteins (e.g., CH50, APH50, RID, C3 H50, etc.).

Sera obtained from blood banks and other large pools may not be suitable for many procedures due to high levels of background complement activation. Conversely, in house serum draws are complicated by several factors including the necessity of maintaining standardized pools of complement for ongoing experimentation and the confidentiality requirements with regard to infectious disease testing.

Characterization
Quidel's Human Complement Standard has been tested for antigenic levels of C1q, C2, C3, C4, C5, C6, C7, C8, C9, Factor B, Factor H and Factor P, by Radial Immuno-Diffusion (RID). Functional levels of the complement proteins C1q, C2, C3, C4, C5, C6, C7, C8, C9 and Factor B and Factor D have been determined by standard hemolytic assay. Classical pathway hemolytic activity (CH50) and alternative pathway hemolytic activity (AH50) have also been measured by standard techniques. Levels of the complement fragment iC3b, a measure of C3 cleavage, were assessed using the MicroVue™ iC3b EIA kit.

Applications
This product is intended for use in a research setting as a standard material for complement assays. Protocols for the RID, hemolytic and other assays used in the characterization of this product are available from Quidel Technical Support. This product should not be used in experiments where measurement of in vitro complement activation (e.g. complement biocompatibility) is required. Quidel provides Cat. #A113 expressly for use in these applications.

Specifications
- Volume/vial: 1.0 mL
- Storage: ≤ 70°C*
- Form: Frozen Liquid

Also available:
- MicroVue C3b EIA – Cat. #A006
- MicroVue CH50 Eq EIA – Cat. #A018
- Normal Human Serum Complement – Cat. #A113
- MoAbs for complement antigens – Cat. #A200’s
- PoAbs for complement antigens – Cat. #A300’s
- Purified complement components – Cat. #A400’s