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PRODUCT DATA SHEET

RABBIT COMPLEMENT, ADSORBED W/HUMAN BUFFY COAT/RBC

Product Codes	Pack size:
31063-2	5 mL
31063-3	100 mL

Description:
Complement is collected from 8-12 week old rabbits and stored at -70 ˚C or below. Complement is then thawed at 2-8 ˚C, pooled, and adsorbed with human buffy coat/red blood cells (HuRBC) for 30 minutes at 4 ˚C. Complement is centrifuged, bottled, and frozen at -70 ˚C or below. The HuRBC are of mixed blood types; all units are tested by FDA approved methods for designated infectious agents.

Physical State:
Frozen liquid

Testing:
Hemolytic titer: ≥ 1:16

Packaging, shipping/storage:

Packaging
5 mL: Glass vial; 100 mL: Polypropylene bottle

Storage Temperature
-70 °C or below

Shipping Conditions
Dry ice

Expiration
3 years from date of manufacture if stored under proper conditions.

Application Notes:
Reportedly suitable for HLA -DR tissue typing /lymphocytotoxic assays. Product is tested for titer. Complement components are extremely heat-sensitive; for best results, thaw complement on ice or in a cold water bath (ideally thaw bottled complement under a stream of cold water, ~20 °C); never thaw using warm or hot water. Single-use aliquots may be made at this time and frozen at -70 °C or below. Avoid multiple freeze-thaw cycles. When a working aliquot is thawed, do not re-freeze remaining complement but discard it.

References:
Effects of fresh serum obtained from baby, young, and mature rabbits on the specificity and cross-reactivity of HLA reactions. Cannady WG, Martin SL, Yunis EJ, Inbar M. Transplant Proc. 1978 Dec;10(4):729-34.

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Comparative activities of rabbit complements of different ages using an in-vitro marrow purging model. Roy DC, Felix M, Cannady WG, Cannistra S, Ritz J. Leuk Res. 1990;14(5):407-16.

Sensitivity of Various HLA Typing Techniques. Cannady WG, Reckel RP, Tripodi D, Shaws S, Boldassari D, Metz L. Tissue Antigens. 1970; 6(4): 564.

Rodey GE. HLA Beyond Tears. 2nd ed. Durango, CO: De Novo; 2000.

Dittel, B.N. Depletion of Specific Cell Populations by Complement Depletion. J. Vis. Exp.(36), e1487, DOI:10.3791/1487 (2010).