

CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

Product name	Complement Factor I, Human, Natural		
Catalog number	HC2131		
Lot number	-	Expiry date	-
Volume	0.1 ml	Activity	N.A.
Formulation	PBS, pH 7.2	Amount	~100 µg
Host Species	Human, isolated from healthy blood donors	Concentration	~1 mg/ml
Endotoxin	N.A.	Purification	N.A.
Storage	-70°C	Purity	>90%

Application notes

Human blood test results	
HBsAg	negative
Anti-HCV	negative
Anti-HIV 1 and II	negative

The blood donors have been tested and found negative for various viruses.

General Information

Description	Complement Factor I (fI) is a protein of the complement system, first isolated in guinea pig serum that regulates complement activation by cleaving cell-bound or fluid phase C3b and C4b. Factor I deficiency in turn leads to low levels of complement component 3 (C3) in plasma, due to unregulated activation of the complement alternative pathway, and it has been associated with recurrent bacterial infections in children; more recently, mutations in the Factor I gene have been shown to be implicated in development of Haemolytic Uremic Syndrome, a renal disease also caused by unregulated complement activation.
Cross reactivity	Trace amounts of IgG, IgM, IgA, albumin, C3, C4, Factor B, Factor P or Factor H
Storage&stability	Product should be stored at -70°C. Repeated freeze and thaw cycles will cause loss of activity. Use Complement factor I protein within 24 hours after thawing and keep on ice. Remainder amounts should be aliquoted and immediately re-freezed for future use. Aliquots should never be thawed more than once. Under recommended storage conditions, product is stable for at least one year.
Precautions	For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and federal rules in the use of this product. Hycult Biotech is not responsible for any patent infringements that might result from the use or derivation of this product.

We hereby certify that the above-stated information is correct and that this product has been successfully tested by the Quality Control Department. This product was released for sale according to the existing specifications. This document has been produced electronically and is valid without a signature.

Approved by Manager of QC
Robbert Zwinkels

Date
27/03/2018

Do you have any questions or comments regarding this product? Please contact us via support@hycultbiotech.com.