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Native Human D-Dimer

Catalog No.	CRD111A CRD111B	**Quantity:**	100 µg 1.0 mg

Alternate Names: Fragment D-dimer, Fibrin degradation product

Description: D-dimer is a fibrin degradation product (FDP), a small protein fragment present in the blood after a blood clot is degraded by fibrinolysis. It is so named because it is comprised of two D fragments of the fibrin protein joined by a cross-link. The concentration of D-dimer may be determined by a blood test in order to help diagnose thrombosis.

Source: Human plasma

Appearance: Clear colorless solution

Concentration: 1-5 mg/ml, by $E^{0.1\%}_{280nm}$ = 1.78

Molecular Weight: ~200 kDa

Formulation: Sterile filtered solution of 0.05 M sodium phosphate, 0.15 M sodium chloride, 0.09% sodium azide, pH 7.5

Purity: ≥95% by SDS-PAGE

Identity: Confirmed by ELISA

Storage & Stability: Centrifuge vial briefly to recover the entire contents. Store in working aliquots at -20°C to -80°C for up to 1 year. **Avoid repeated freeze-thaw cycles.**

Statement: Non-Infectious Disease Certification: Non-reactive for HIV-1/HCV/HBV by NAT; HBsAg, HCV Ab, HIV-1&2 Ab and RPR by currently approved FDA methods. However, because no test method can offer complete assurance that infectious agents are absent, this material should be handled at Bio-Safety Level 2 (BSL 2) as recommended for potentially infectious human serum or blood specimen in the CCD/NIH manual "Biosafety in Microbiological and Biomedical Laboratories", 2009.

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Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com