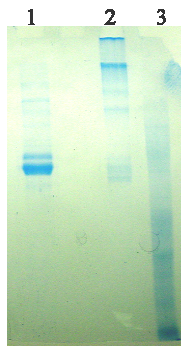


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Certificate of Analysis



10% SDS-PAGE - GelCode Blue Stain
1 HVN-U-707 (5 ug) Reduced
2 HVN-U-707 (5 ug) Non-reduced
3 Prestained Standard

Product: Human Multimeric Vitronectin (urea prepared) – HVN-U

Date: July, 2007

Lot: HVN-U-707

Molecular Weight: 70,000 (reduced monomer) by SDS PAGE

Physical Specifications:

Physical Appearance: colorless frozen solution

Solubility: > 2 mg/mL

Spectrophotometric Data:

Ultraviolet: Absorbance (280nm) = 7.452 $\epsilon^{0.1\%} = 1.38$
Concentration = 5.4 mg/mL

Purified from Human Plasma that was tested and found negative for HIV-1/2, HBsAg, HCV, and syphilis.

Considerations:

Storage Conditions: Store frozen at -70°C – stability > 1yr
Buffer Composition: 0.01 M Sodium Phosphate; 0.1 M NaCl; pH 7.4
Other: > 95% pure by SDS PAGE

References:

Tomasini BR & Mosher DF. Conformational states of vitronectin: preferential expression of an antigenic epitope when vitronectin is covalently and noncovalently complexed with thrombin-antithrombin III or treated with urea. *Blood*. 72: 903-912, 1988.
Bittorff SV et al. Alteration of vitronectin. Characterization of changes induced by treatment with urea. *J Biol Chem*. 268(33): 24838-46, 1993.
Peterson, C.B. et al. Native and Multimeric Vitronectin exhibit similar affinity for Heparin. (1997) *J. Biol. Chem.* 272:6858-6862.

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