



CERTIFICATE OF ANALYSIS (Cat # AFP15-N)

Description of Product: **Alpha Feto Protein (AFP)**
Liquid in a buffer 50 mM Tris & 150 mM NaCl,
(pH 7.2 \pm 0.2) containing 0.15 % Sodium Azide

Grade: High Pure (>98%) Origin: Human Cord Blood

All human derived material has been tested negative for HIV, HCV, and HbSAg. Nevertheless, all precautions should be taken and samples be treated as potentially hazardous.

Sr. No.	Test	Test Method	Acceptance Criteria	Observation
01	Identification	ELISA	Positive for AFP	Passes
02	AFP Content	Pathozyme (Omega Diagnostics)	1-2 mg/ml	1.42 mg/ml
03	Total Protein	OD 280	> AFP Content	1.45 mg/ml
04	Purity	Activity/TP	~98 %	Passes
05	SDS-PAGE Profile	-	Single band ~66 kD	Passes*
05	Bio-burden	Plate Count	< 10 CFU/ml	passes
06	Viral Marker Test For HBsAg, Anti-HCV (US-FDA Approved Ortho clinical Diagnostics) Anti -HIV I & II	ELISA	Negative	Passes
09	Absence of Viral DNA /RNA for (HIV I, HCV, HBV)	PCR	Negative	Passes*

Opinion: The batch [FAF0001](#) conforms to the release specifications for Alpha Feto Protein (Code: FAF). (* Soft copy available on request)

Suitability: For raising antibodies (request azide free), as primary antigen and/or preparation of controls & calibrators

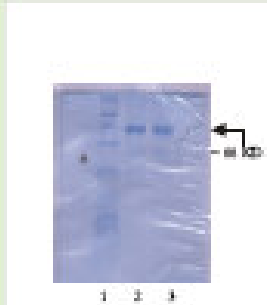
Recommended Storage: 2-8° C

Caution: This product is not for human consumption. Use only in In-Vitro research or products. All bio-safety precautions must be practiced while handling.

AFP15-N-1

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Purity: >= 99% by SDS PAGE



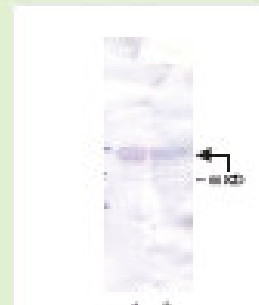
SDS PAGE

1. MW MARKER
2. AFP HP Lot No. HP1/05, 15.15 µl
3. AFP HP Lot No. HP1/05, 15.15 µl

Viral Safety Testing

- Level 1:** Source material tested by ELISA for the absence of Anti-HIV I & II, Anti-HCV and HBsAg. Only non-reacting material is used for processing.
- Level 2:** The finished product is tested by ELISA for absence of Anti-HIV I & II, Anti-HCV and HBsAg.
- Level 3:** The finished product is also tested and confirmed for absence of viral DNA / RNA by PCR.

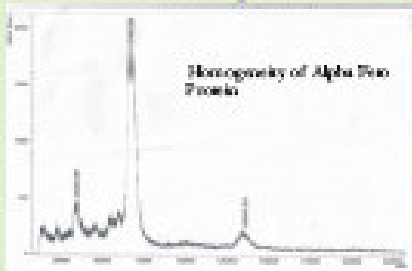
Specificity: By Western Blot



Western Blot

1. AFP HP 3/03 ~ 5µg
2. AFP HP 4/03 ~ 5µg

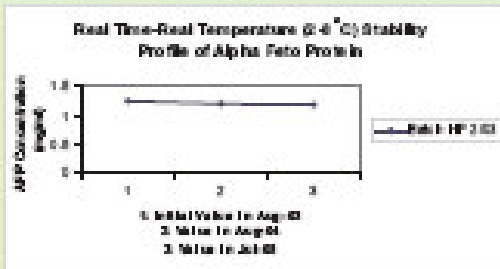
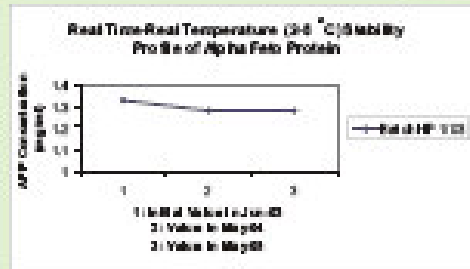
MALDI Spectra



Absorption Profile



CD Spectra



STABILITY PROFILE

> Over 2 Years at 2-8°C

> 1 month of RT (Un-Opened)