

HEPATOCELLULAR CANCER BIOMARKERS







For General Chemistry Analyzers

CARCINOEMBRYONIC ANTIGEN (CEA) | α -FETOPROTEIN (AFP) | α -L-FUCOSIDASE (AFU)

These traditional HCC markers, AFP and CEA as well as AFU an emerging marker which studies suggest may be a sensitive early indication of HCC which also aids in the detection of tumor size.¹⁻³ Diazyme's suite of HCC markers all feature excellent performance, fully liquid stable formulation, rapid test results and all at a low cost per test. The assay kits are readily adaptable to a wide range of open clinical chemistry analyzers.



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	CEA	AFP	AFU
Method	Latex Enhanced Immunoturbidimetric	Latex Enhanced Immunoturbidimetric	Enzymatic
Method Comparison	N = 56 Slope = 1.077 R ² = 0.839	N = 46 Slope = 0.932 R ² = 0.9894 y-intercept = 2.0	Slope = 1.0788 R ² = 0.998 y-intercept = -4.651
Precision	Within-Run: ≤ 5.22 %CV	Within-Run: ≤ 3.02 %CV	Intra-assay: < 5.1 %CV Inter-assay: < 6.2 %CV
Reagent On-Board Stability	4 weeks	4 weeks	3 months
Calibration Levels	6-Point Calibration	6-Point Calibration	1-Point Calibration (Lyophilized)
Sample Type	Serum	Serum, Plasma	Serum
Sample Volume	25 µL	7 µL	25 µL
Linearity	Up to 100 ng/mL	Up to 500 ng/mL	0 - 300 U/L
Regulatory Status	EU:   *	EU:   *	EU:   *

References

- Zielke K. et al. Fucosidosis: diagnosis by serum assay of α -L-fucosidase. *J. Lab. Clin. Med.* 79: 164 (1972)
- Giardina MG. et al. Serum α -L-fucosidase. A useful marker in the diagnosis of hepatocellular carcinoma. *Cancer*, 70: 1044 (1992)
- Ayde D. et al. Value of the serum α -L-fucosidase activity in the diagnosis of colorectal cancer. *Oncology*, 59: 310 (2000)

*SKU For Export Only. Not for Distribution in the USA.

DIAZYME LABORATORIES, INC.

12889 Gregg Court, Poway, CA 92064 USA
PO Box 85608, San Diego, CA 92186 USA
Tel: +1-858-455-4768 +1-888-DIAZYME
www.diazyme.com sales@diazyme.com

DIAZYME EUROPE GMBH

Zum Windkanal 21, 01109 Dresden, Germany
Tel: +49-351-886-3300 Fax: +49-351-886-3366
sales@diazyme.de

DIAZYME SHANGHAI CO., LTD.

Room 201, 1011 Halei Road, Zhangjiang Hi-tech Park
Shanghai, 201203, People's Republic of China
Tel: +86-21-51320668 Fax: +86-21-51320663
www.lanyuanbio.com service@lanyuanbio.co

