Diazyme offers sensitive and specific markers for Hepatocellular Cancer (HCC) for use on conventional clinical chemistry instrumentation. The assays include the 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.\textsuperscript{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. All of Diazyme’s HCC assay kits are readily adaptable to a wide range of open clinical chemistry analyzers and both calibrator and control are available for added convenience.

**HEPATOCELLULAR CANCER BIOMARKERS**

*For General Chemistry Analyzers*

Carcinoembryonic Antigen (CEA)*

\(\alpha\)-Fetoprotein (AFP)*

\(\alpha\)-L-Fucosidase (AFU)*

**ZERO IN ON HCC WITH DIAZYME’S CANCER PANEL**

• Accurate and precise  
• Rapid results  
• Low cost per test

USA: For Research Use Only
## HEPATOCELLULAR CANCER BIOMARKERS

<table>
<thead>
<tr>
<th><strong>Method</strong></th>
<th><strong>Carcinoembryonic Antigen (CEA)</strong></th>
<th><strong>α-Fetoprotein (AFP)</strong></th>
<th><strong>α-L-Fucosidase (AFU)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Method</td>
<td>Latex Enhanced Immunoturbidimetric Assay</td>
<td>Latex Enhanced Immunoturbidimetric Assay</td>
<td>Enzymatic (Kinetic assay monitoring at 405 nm of the enzymatic cleavage of a synthetic substrate)</td>
</tr>
</tbody>
</table>
| **Sample Type & Volume** | • Serum  
Sample Volume 25 μL | • Serum  
Sample Volume 7 μL | • Serum  
Sample Volume 25 μL |
| **Method Comparison** | N = 56  
Slope = 1.077  
R² = 0.839 | N = 46  
y-intercept = 2.0  
Slope = 0.932  
R² = 0.894 | y-intercept = 1.0788  
Slope = -4.651  
R² = 0.998 |
| **Precision** | Within-Run % CV: <5.22% | Within-Run:  
Precision: ≤ 3.02 CV% | Precision:  
Intra-assay CV%: ≤ 5.1  
Inter-assay CV%: ≤ 6.2 |
| **Linearity** | Up to 100 ng/mL | Up to 500 ng/mL | 0 – 300 U/L |
| **Calibration Levels** | 6-Point Calibration | 5-Point Calibration | 1-Point Calibration (Lyophilized) |
| **On-Board Stability** | Open:  
Four weeks on board analyzer | Open:  
One month on board analyzer | Open:  
Three weeks on board analyzer |