190.25 - Alpha-fetoprotein

Other Names/Abbreviations
AFP

Description
Alpha-fetoprotein (AFP) is a polysaccharide found in some carcinomas. It is effective as a biochemical marker for monitoring the response of certain malignancies to therapy.

HCPCS Codes (Alphanumeric, CPT® AMA)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>82105</td>
<td>Alpha-fetoprotein; serum</td>
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ICD-10-CM Codes Covered by Medicare Program

The ICD-10-CM codes in the table below can be viewed on CMS’ website as part of Downloads: Lab Code List, at [http://www.cms.gov/Medicare/Coverage/CoverageGenInfo/LabNCDsICD10.html](http://www.cms.gov/Medicare/Coverage/CoverageGenInfo/LabNCDsICD10.html)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>A52.74</td>
<td>Syphilis of liver and other viscera</td>
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<tr>
<td>B18.0</td>
<td>Chronic viral hepatitis B with delta-agent</td>
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<td>B18.1</td>
<td>Chronic viral hepatitis B without delta-agent</td>
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<td>Chronic viral hepatitis C</td>
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<td>B66.1</td>
<td>Clonorchiasis</td>
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<td>B66.3</td>
<td>Fascioliasis</td>
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<td>C22.0</td>
<td>Liver cell carcinoma</td>
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<td>C22.1</td>
<td>Intrahepatic bile duct carcinoma</td>
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<td>Hepatoblastoma</td>
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<td>C22.3</td>
<td>Angiosarcoma of liver</td>
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<tr>
<td>C22.4</td>
<td>Other sarcomas of liver</td>
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<td>C22.7</td>
<td>Other specified carcinomas of liver</td>
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<td>C22.8</td>
<td>Malignant neoplasm of liver, primary, unspecified as to type</td>
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<tr>
<td>C22.9</td>
<td>Malignant neoplasm of liver, not specified as primary or secondary</td>
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<td>C38.1</td>
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<tr>
<td>C38.2</td>
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<td>C38.3</td>
<td>Malignant neoplasm of mediastinum, part unspecified</td>
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<tr>
<td>C38.8</td>
<td>Malignant neoplasm of overlapping sites of heart, mediastinum and pleura</td>
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<tr>
<td>C62.01</td>
<td>Malignant neoplasm of undescended right testis</td>
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<td>C62.02</td>
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<tr>
<td>C62.10</td>
<td>Malignant neoplasm of unspecified descended testis</td>
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<td>C62.11</td>
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<td>C62.12</td>
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<td>C7A.091</td>
<td>Malignant carcinoid tumor of the thymus</td>
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<td>C79.82</td>
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<td>D13.4</td>
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<td>D13.5</td>
<td>Benign neoplasm of extrahepatic bile ducts</td>
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<td>D37.6</td>
<td>Neoplasm of uncertain behavior of liver, gallbladder and bile ducts</td>
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<td>D64.2</td>
<td>Secondary sideroblastic anemia due to drugs and toxins</td>
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<td>E83.111</td>
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<td>E88.01</td>
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<td>I25.84</td>
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<td>I74.01</td>
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<td>I74.09</td>
<td>Other arterial embolism and thrombosis of abdominal aorta</td>
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<td>Embolism and thrombosis of unspecified parts of aorta</td>
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<td>I74.19</td>
<td>Embolism and thrombosis of other parts of aorta</td>
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<td>K70.2</td>
<td>Alcoholic fibrosis and sclerosis of liver</td>
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<td>K70.30</td>
<td>Alcoholic cirrhosis of liver without ascites</td>
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<tr>
<td>K70.31</td>
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<td>Cyst of tunica albuginea testis</td>
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<td>Other noninflammatory disorders of the testis</td>
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<td>N53.8</td>
<td>Other male sexual dysfunction</td>
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<td>Unspecified male sexual dysfunction</td>
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<td>Other nonspecific abnormal finding of lung field</td>
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<td>R93.1</td>
<td>Abnormal findings on diagnostic imaging of heart and coronary circulation</td>
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<td>R93.2</td>
<td>Abnormal findings on diagnostic imaging of liver and biliary tract</td>
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<tr>
<td>R93.5</td>
<td>Abnormal findings on diagnostic imaging of other abdominal regions, including retroperitoneum</td>
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<td>R93.8</td>
<td>Abnormal findings on diagnostic imaging of other specified body structures</td>
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<td>R97.8</td>
<td>Other abnormal tumor markers</td>
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<td>Z17.0</td>
<td>Estrogen receptor positive status [ER+]</td>
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<tr>
<td>Z17.1</td>
<td>Estrogen receptor negative status [ER-]</td>
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<tr>
<td>Z85.05</td>
<td>Personal history of malignant neoplasm of liver</td>
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<tr>
<td>Z85.43</td>
<td>Personal history of malignant neoplasm of ovary</td>
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<tr>
<td>Z85.47</td>
<td>Personal history of malignant neoplasm of testis</td>
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</tbody>
</table>
**Indications**

AFP is useful for the diagnosis of hepatocellular carcinoma in high-risk patients (such as alcoholic cirrhosis, cirrhosis of viral etiology, hemochromatosis, and alpha 1-antitrypsin deficiency) and in separating patients with benign hepatocellular neoplasms or metastases from those with hepatocellular carcinoma and, as a non-specific tumor associated antigen, serves in marking germ cell neoplasms of the testis, ovary, retro peritoneum, and mediastinum.

**ICD-10-CM Codes That Do Not Support Medical Necessity**

Any ICD-10-CM code not listed in either of the ICD-10-CM covered or non-covered sections.

**Sources of Information**