

Cyfra 21

General:

Tumor marker CYFRA-21-1 is a soluble fragment of cytokeratin 19, which is part of the cytoskeleton in epithelial cells. Cytokeratins belong to a group of intermediate filament proteins, which are a major component of the cell skeleton. There are around 20 different cytokeratins with a molecular mass ranging from 40 to 70 kilodaltons (kDa). Several cytokeratins including cytokeratin 19 are connected with malignancy. If the tumor is of epithelial origin, CYFRA-21-1 can be released into the serum as fragments. Those fragments are detected in the assay.

CYFRA-21-1 has been shown to have high sensitivity in patients with NSCLC, especially those with squamous cell lung carcinoma. However, CYFRA-21-1 is not considered as efficient in either screening or detection of early stage of NSCLC, but has been used as an independent marker of squamous cell carcinoma of the lung. It is also a useful non-invasive parameter in distinguishing benign from malignant pleural effusions.

Indication: Sensitive tumor marker for the diagnostics of non small-cell lung cancer (NSCLC).

Material: 1 ml serum, **Frozen**

TAT: 7-10 days*

Method: ECL

Units: ng/mL

Ref.- range: < 2.3

For complete list of laboratory test offered at Freiburg Medical Laboratory, please visit <http://www.fml-dubai.com/parameter-listings/>