

S94 - KOS DIAGNOSTIC LAB  
6349/1, NICLOSON ROAD, AMBALA CANTT,  
Ambala

Name	: Mr. S.K AGNIHOTRI	Collected	: 4/2/2021 2:10:00PM
Lab No.	: 146023758	Age: 77 Years	Gender: Male
A/c Status	: P	Ref By : Dr. KOS DIAGNOSTIC LAB	Report Status : Final
		Received	: 4/2/2021 2:42:14PM
		Reported	: 8/2/2021 9:29:23AM

Test Name	Results	Units	Bio. Ref. Interval
DES-GAMMA CARBOXY PROTHROMBIN (DCP)/PIVKA II, SERU @ (CMIA)	46	mAU/mL	<40

**Note:**

1. Patient samples may contain heterophilic antibodies or mouse monoclonal antibodies that could react in immunoassays to give a falsely elevated or depressed result.
2. Results should always be interpreted in conjunction with the patient's medical history, clinical presentation and other findings.
3. False low values may be observed in patients receiving vitamin K analogues.
4. False high values may be observed in patients receiving vitamin K antagonists, antimicrobial drugs, with diet low in vitamin K or in patients with ongoing alcohol intake.

**Comment:**

Des-gamma carboxyprothrombin (DCP) also known as PIVKA II (Prothrombin induced by Vitamin K antagonist II) is an abnormal prothrombin that is increased in the sera of patients with Hepatocellular Carcinoma (HCC). Unlike AFP, it is not elevated in Chronic Liver Disease, Cirrhosis, pregnancy or Germ Cell Tumors. It is a complementary biomarker to AFP in HCC and increases the sensitivity (83%) and specificity (84%) for HCC when used in combination.

It is recommended to measure two or more different tumor markers (AFP, DCP or AFP L3) for the diagnosis of HCC at an early stage.<sup>1,2</sup>

DCP has also been found to correlate better with tumor size, histological grade, portal vein invasion and/or intrahepatic metastasis in patients with HCC.

**Usage:**

1. Risk assessment of patients with Chronic Liver Disease for development of HCC
2. To aid in the diagnosis and prognosis of patients with HCC
3. To monitor therapeutic efficacy in patients with HCC




**References:**

1. Development of Evidence Based Clinical Guidelines for the diagnosis and treatment of Hepatocellular Carcinoma in Japan. *Hepatology Research* 2008; 38: 37 - 51
2. Prevention of Hepatocellular Carcinoma in the Asia - Pacific Region: Consensus Statements. *Journal of Gastroenterology and Hepatology* 25 (2010) 657-663



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Test Name	Results	Units	Bio. Ref. Interval
			
Dr Himangshu Mazumdar MD, Biochemistry Senior Consultant - Clinical Chemistry & Biochemical Genetics NRL - Dr Lal PathLabs Ltd	Dr. Kamal Modi MD, Biochemistry Consultant Biochemist NRL - Dr Lal PathLabs Ltd	Dr Nimmi Kansal MD, Biochemistry National Head - Clinical Chemistry & Biochemical Genetics NRL - Dr Lal PathLabs Ltd	

-----End of report -----

**IMPORTANT INSTRUCTIONS**

\*Test results released pertain to the specimen submitted.\*All test results are dependent on the quality of the sample received by the Laboratory.  
\*Laboratory investigations are only a tool to facilitate in arriving at a diagnosis and should be clinically correlated by the Referring Physician.\*Sample repeats are accepted on request of Referring Physician within 7 days post reporting.\*Report delivery may be delayed due to unforeseen circumstances. Inconvenience is regretted.\*Certain tests may require further testing at additional cost for derivation of exact value. Kindly submit request within 72 hours post reporting.\*Test results may show interlaboratory variations.\*The Courts/Forum at Delhi shall have exclusive jurisdiction in all disputes/claims concerning the test(s) & or results of test(s).\*Test results are not valid for medico legal purposes. \*Contact customer care Tel No. +91-11-39885050 for all queries related to test results.  
(#) Sample drawn from outside source.

