



Medical Record No: 12  
Patient Name: Mr First last  
Father / Husband Name: Father-Husband Name  
Contact: +9203131234567  
Age/Sex: 26 Y / M  
CNIC: -  
Address: Pakistan

Collected on: 2021-10-08 - 22:23:00  
Reported On: 2021-10-08 - 22:23:00  
Registration Location: Sawm Gold Lab  
Destination Location: Sawm Gold Lab  
Reference: Self

**HCV BY PCR QUANTITATION :**

TEST	NORMAL VALUE	UNIT	RESULT
HCV BY PCR QUANTITATION	-	-	<13.0 Not Detected

**METHODOLOGY: BIO RAD IQ™ 5 Real-Time PCR Detection System****RNA - EXTRACTION:**

HCV RNA is extracted by using QIAamp DSP Virus Spin Kit Version-1 (IVD and CE mark Kit) procedure comprises 4steps (Lyse, Bind, Wash & Elute). This procedure is carried out using QIAamp MiniElute columns for High RNA yield from sample. The procedure is designed to minimize the potential, for sample to sample cross contamination to prevent false positive results.

**RNA - AMPLIFICATION**

Extraction HCV RNA is Amplified using Real Time amplification (Bio-Rad IQ-5) and detected by using (Qiagen Artus HCV RT - PCR) fluorescent Reporter dye probes (Cy3) specific for HCV or HCV Internal Control (IC). Internal Control serves as an extraction & lification control for each individually processed specimen to identify possible inhibition. IC is detected in a channel other than HCV RNA

**INTERPRETATION & SENSITIVITY**

Artus HCV RG RT - PCR Kit is linear from 13.0 IU/ml to 1.5x10<sup>9</sup> IU/ml (Viral Load)

Viral Load >13.0 IU/ml = Detected Viral Load <13.0 IU/ml = Not Detected

**COMMENTS:**

The Titer of HCV in Blood fluctuates in accordance with the virus latency & sometimes it may be absent or below the sensitivity limit of the assay. It is highly recommended, that a patient with single negative result may not be considered as, not infected with HCV.

The result of HCV RNA PCR test performed in different laboratories should not be compared, as different Laboratories use different kit/methodologies that have different sensitivity and specificity.

For diagnostic purposes, lab results should be correlate with clinical findings of Patients. Not Valid For Court of Law. Electronically verified report. No signature(s) required. No Legal Responsibility and Financial liability is accepted for any unavoidable errors/ omissions

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**LIPID PROFILE :**

TEST	NORMAL VALUE	UNIT	RESULT
			 2021-10-08 22:23:00
Hb	12 - 16	g/dL	<b>17</b>
Total RBC	4 - 5.2	x 10 <sup>12</sup> /L	4
Hct	36 - 46	%	37
MCV	75 - 96	fL	80
MCH	26 - 32	pg	30
MCHC	30 - 36	g/dL	34
Platelet Count	150 - 450	X10 <sup>9</sup> /L	<b>149</b>
WBC Count (TLC)	4 - 11	X10 <sup>9</sup> /L	5
Neutrophils	40 - 75	%	50
Lymphocytes	20 - 45	%	<b>8</b>
Monocytes	2 - 10	%	5
Eosinophils	1 - 6	%	<b>7</b>

**Comments:**

Microcytosis = ++  
 Hypochromia = +  
 Target cells = +  
 Microcytic hypochromic anaemia with erythrocytosis

**Advised:**

Hb-Electrophoresis

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### RENAL FUNCTION TEST :

TEST	NORMAL VALUE	UNIT	RESULT
UREA (Serum)	10 - 50	mg/dL	45
CREATININE (Serum)	0.5 - 1.2	mg/dL	0.7

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