

1.	<p>HCV RNA PCR Quantitative kit (for Semi Automated)</p> <p>Specification</p> <p>Devices Required for PCR HCV Extractor, Amplification and Detection HCV RNA extraction , amplification and Detection with following specifications:</p> <ol style="list-style-type: none"> 1. HCV RNA Extractor 2. PCR Machine for Amplification and Detection 3. Computer System with laser jet printer. <p>Technical Requirement Following Detail are Required.</p> <ol style="list-style-type: none"> 1. Both Qualitative and Quantitative Test for HCV (Extraction, Amplification and Detection could be performed. 2. At least 4 fluorescence measuring channels with excitation/Detection wave length should be 470/520,530/570,590/630 and 630/670. 3. CCD Camera for the Detection of Fluorescence 4. Melting curve Analysis 5. Single Nucleotide Polymorphism 6. Gene Expression Analysis 7. LED as a light source required with minimum life time about 10000 hours. 8. Data can be easily viewed and saved the data by using computer system. <p>Note: These all devices should have open system that could be easily open on other reagent and consumable.</p> <p>RNA Extraction:</p> <ol style="list-style-type: none"> 1. Magnetic particles separation technology. 2. Throughput >24 samples/ run with integrated micro processor. <p>RNA Amplification and Detection:</p> <ol style="list-style-type: none"> 1. Microplate 96 x 0.2 ml for Real Time PCR. 2. Both Amplification and detection without operator intervention. 3. The amplification module to be run in Real Time PCR machine having standards along with quantitation data. The signals of the internal control as well as the samples could be detected on either of the FAM, Cy3, and Texas Red and Cy5 channels. (CCD Camera). 4. Kits (both extraction and amplification) should be intended for in vitro Diagnostic (IVD) use and quality certified. 5. Data can be viewed and analyzed by using computer but amplification program is being executed. 6. Amplification and detection devices are not limited for used with specific reagent or consumable. 7. Data (result analysis), easily integrated in any laboratory information system (LIS) and devices saved all the standard graphic results. 	48 kits (1x100)
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Note:

1. Only European and American based products will be entertained (CE/FDA Approved).
2. Final Bidder of the tender will provide all consumables and accessories.
3. Final Bidder of the tender will place fully automated DNA/RNA Extractor in the PCR Lab free of cost.
4. Final Bidder of the tender will place full size refrigerator.

Sr. No	NAME OF FIRM	Manufacture Importer/Make/Made	Pack Size	Offered Price
1.	M/S Global Marketing Service Rwp	Sacase Biotechnology, Italy Tanbead Nanotech Taiwan	96 Test	177,600/- Per 96-Test
2.	M/S Med Lab Service Rawalpindi	GeneProof, Czech Republic Jiangsu Mole Bioscience Co. Ltd	100 test 64 Test	184,000/- Per 100 Test

(Signature)

2.

HBV DNA PCR Quantitative kit (for Semi Automated)12 kits
(1x100)**Specification****Devices Required for PCR HBV Extractor, Amplification and Detection.**

HBV DNA extraction , amplification and Detection with following specifications:

1. HBV DNA Extractor
2. PCR Machine for Amplification and Detection
3. Computer System with laser jet printer

Technical Requirement**Following Detail are Required.**

1. Both Qualitative and Quantitative Test for HBV (Extraction, Amplification and Detection could be performed.
2. At least 4 fluorescence measuring channels with excitation/Detection wave length should be 470/520,530/570,590/630 and 630/670.
3. CCD Camera for the Detection of Fluorescence
4. Melting curve Analysis
5. Single Nucleotide Polymorphism
6. Gene Expression Analysis
7. LED as a light source required with minimum life time about 10000 hours.
8. Data can be easily viewed and saved the data by using computer system.

Note: These all devices should have open system that could be easily open on other reagent and consumable.**DNA Extraction:**

1. Magnetic particles separation technology.
2. Throughput >24 samples/ run with integrated micro processor

DNA Amplification:

3. Micro plate 96 x 0.2 ml for Real Time PCR.
4. Both Amplification and detection without operator intervention.
5. The amplification module to be run in Real Time PCR machine having standards along with quantitation data. The signals of the internal control as well as the samples could be detected on either of the **FAM, Cy3, and Texas Red** and **Cy5** channels. (CCD Camera).
6. Kits (both extraction and amplification) should be intended for in vitro Diagnostic (IVD) use and quality certified.
7. Data can be viewed and analyzed by using computer but amplification program is being executed.
8. Amplification and detection devices are not limited for used with specific reagent or consumable.
Data (result analysis), easily integrated in any laboratory information system (LIS) and devices saved all the standard graphic results.

	<p>Note:</p> <ol style="list-style-type: none"> 1. Final Bidder of the tender will provide all consumables and accessories. 2. Final Bidder of the tender will place fully automated DNA/RNA Extractor in the PCR Lab free of cost. 3. Only European and American based products will be entertained (CE/FDA Approved). <p>Final Bidder of the tender will provide Horizontal Head Centrifuge Machine (4x5 test tubes).</p>	
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Sr. No	NAME OF FIRM	Manufacture Importer/Make/Made	Pack Size	Offered Price
1.	M/S Global Marketing Service Rwp	Sacase Biotechnology, Italy Tanbead Nanotech Taiwan	96 Test	177,600/- Per 96 tests
2.	M/S Med Lab Service Rawalpindi	GeneProof, Czech Republic Jiangsu Mole Bioscience Co. Ltd	100 test 64 Test	174,000/- Per 100 tests

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3.	<p>HCV Quantitative PCR Kits (for fully automated PCR Machine Roche Cobas 5800) The firm will place minimum 1.5 ton D.C Inverter AC for smooth working of instrument</p>	07 Kits (1x192)
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Sr. No	NAME OF FIRM	Manufacture Importer/Make/Made	Pack Size	Offered Price
1.	M/S Roche Pakistan Ltd. Karachi	Cobas, EEC/Japan/USA	192 Test	670,400/- Per 192 tests without GST 52mc Cobas 23/01/24 As Telf

670,400/-

4.	HBV Quantitative PCR Kits (for fully automated PCR Machine Roche Cobas 5800)	03 Kits (1x192)
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Sr. No	NAME OF FIRM	Manufacture Importer/Make/Made	Pack Size	Offered Price
1.	M/S Roche Pakistan Ltd. Karachi	Cobas, EEC/Japan/USA	192 Test	489,600/- Per 192 Test New 52 ml 10 vials