





Xpert®
HBV
Viral Load

Quality Testing and Flexibility for Any Setting

Xpert® HBV Viral Load

Simplify Hepatitis B Treatment Management

  *In Vitro* Diagnostic Medical Device
Not available in all countries. Not available in the United States.

 **Cepheid®**
A better way.



In order to expand treatment of Hepatitis B, simplified and easy to use core service interventions are needed to implement effective HBV DNA Testing. Xpert HBV Viral Load has the potential to simplify disease management by offering a flexible workflow for any testing setting and quality results in approximately an hour."

Professor Pietro Lampertico, MD, PhD

Fondazione IRCCS Ca' Granda, Ospedale Maggiore Policlinico, Milan, Italy



The Goal

Elimination of Hepatitis by 2030

Viral hepatitis is one of the leading causes of death globally with 1.34 million deaths per year, as many as HIV/AIDS, tuberculosis or malaria. Hepatitis B and C viruses cause 80% of liver cancer cases in the world.¹

The WHO global health sector strategy to eliminate Viral Hepatitis as a major public health threat by 2030 requires considerable efforts from governments, healthcare authorities and communities.

Service delivery must be expanded to better manage the number of people living with Hepatitis B Virus (HBV).¹



The Need

Efficient Treatment Delivery

- Although a vaccine for HBV exists, there is still no cure and lifelong treatment is needed for individuals already chronically infected with Hepatitis B Virus
- HBV rapid antibody testing is mainly done at point of care or in community based programmes but HBV viral load testing and monitoring is traditionally done in the laboratory with long turnaround times, which can result in more patients being lost to follow up and care
- Service coverage of core interventions are needed to expand prevention, testing and treatment for HBV



The Solution

Xpert HBV Viral Load on the GeneXpert® System

- Accurate and reliable quantification of HBV DNA in human serum or plasma
- Flexible throughput for any testing setting with round the clock, on-demand results
- Simplify disease management with the possibility of having sample to viral load results less than one hour



The Impact

- **Improve Patient Care:** Same day results support better clinical decisions
- **Increase Efficiency:** High quality HBV viral load quantitative results for accurate treatment delivery
- **Strengthen Communities:** Quick decisions can help reduce drug resistance and lower transmission

Designed for both near patient testing and high throughput labs.

- **No Waiting:** Deliver rapid individual patient results in a single visit
- **Simple and organised:** True 24/7 random access accommodates other urgent test requests — i.e., Xpert® HCV Viral Load, Xpert® HIV-1 Viral Load, Xpert® MTB/RIF Ultra can run simultaneously on the same system
- **Improved Service:** Modular system can adapt to any throughput requirement from Health Clinics to National Reference Centers



Workflow

2 Easy Steps

Total hands-on time: <1 minute



- 1 Transfer at least 1 mL of plasma or serum into the cartridge

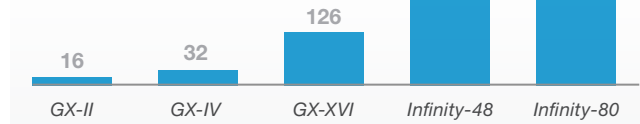


- 2 Scan, load cartridge and start test



System Throughput*

8-hr shift



* Operational throughput per 8-hr shift based on HBV Viral Load testing, internal analysis.



> Xpert® HBV Viral Load can be used as an indicator of disease prognosis, and for assessing viral response to antiviral treatment in plasma and serum specimens with rapid results provided in less than an hour.

CATALOG NUMBER

Xpert HBV Viral Load (10 tests) GXHBV-VL-CE-10

Reference:

1. WHO Global Health Sector Strategy 2016- 2021. June 2016

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