



## Simplify Hepatitis B Treatment Management

### Xpert® HBV Viral Load





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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**  
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## The Goal

### Elimination of Hepatitis by 2030

Viral hepatitis is one of the leading causes of death globally with 1.4 million deaths per year, as many as HIV/AIDS, tuberculosis or malaria. Hepatitis B and C viruses cause 95% of those deaths in the world.<sup>1</sup>

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).<sup>1</sup>



## 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

**Coverage, plus  
Accuracy, plus  
Peace of mind**

That's the **PCR<sup>plus</sup>** advantage.  
From Cepheid.

## 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
- **Patient Centered Diagnostics:** Simplify testing for multiple diseases using a single platform

### ▸ Designed to simplify testing in low and high volume settings

#### 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

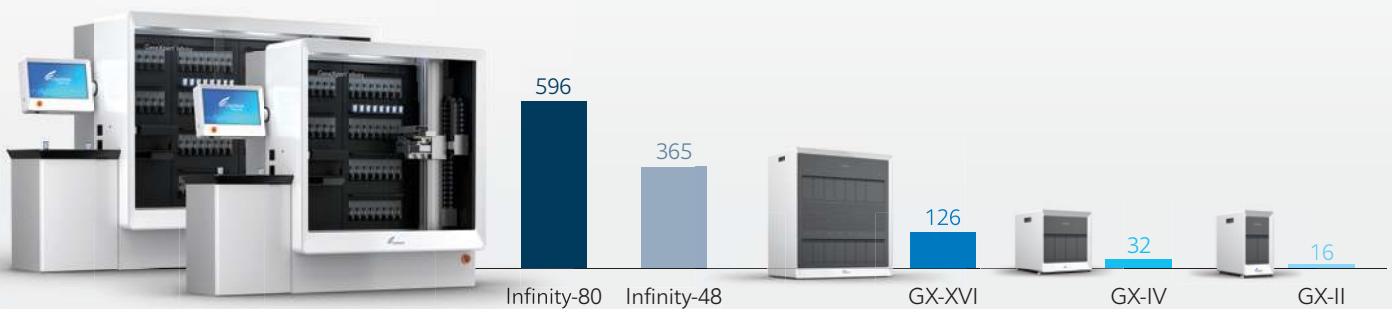
## Workflow: 2 Easy Steps

- 1 Transfer at least 0.6 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.

## Catalog Information

Xpert® HBV Viral Load      10 tests      GXHBV-VL-CE-10

### Reference:

1 WHO. Global Health Sector Strategy on Viral Hepatitis 2016–2021. 2016 June. Accessed Aug 2020. <https://apps.who.int/iris/bitstream/handle/10665/246177/WHO-HIV-2016.06-eng.pdf;jsessionid=E5D2C86E67F6CAC0258DDC6892B5A5E8?sequence=1>

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