

# → Framework for GeneXpert® Systems HIV & TB Integration

## Planning Phase

## Implementation Phase

## Best Practices



### MOH Leadership and Coordinated Partner Engagement

	Resources and Needs Assessment	Site Selection	Site Preparation	Phase I Implementation	Laboratory Networks and Systems Strengthening	Monitoring & Evaluation and Dissemination
<b>Activities</b>	Assess existing resources (infrastructure, equipment, HR etc.)	Identifying sites suitable for phase I implementation	Preparing sites to ensure that HIV/TB integration is successful	Implementing HIV/TB integration at district level	Deploying remote access and connectivity	<ul style="list-style-type: none"> <li>Perform routine review and evaluation</li> <li>Implement improvements and recommendations</li> </ul>
<b>Objective</b>	Leverage existing resources to cut costs	Prioritizing high HIV/TB burden sites	Setting sites to succeed in integrating HIV/TB	Decentralizing HIV/TB integration up to district level	Increasing visibility on HIV/TB testing programs and testing equipment	Increase program efficiency and patient health outcomes
<b>Cepheid Support*</b>	<ul style="list-style-type: none"> <li>Leverage C360 to aid identification of GeneXpert platforms with excess capacity, unusual error rates and downtimes</li> <li>Identify auxiliary equipment gaps (e.g. Centrifuges)</li> </ul>	<ul style="list-style-type: none"> <li>Detailed install base mapping and checking to aid prioritization of high disease burden facilities (close to both ART &amp; DOTS centers, far from central HIV labs)</li> </ul>	<ul style="list-style-type: none"> <li>Hardware Check: GeneXpert modules status report and facilitate equipment calibration</li> <li>Software check: virology assay software upgrades</li> <li>Connectivity check: equipment transmitting data</li> </ul>	<ul style="list-style-type: none"> <li>Supplying procured reagents and equipment</li> <li>Training of end-users/operators to process both TB and HIV testing</li> <li>Shadowing users during initial runs</li> <li>Servicing equipment as needed</li> </ul>	<ul style="list-style-type: none"> <li>Facilitating installation of Cepheid® C360</li> <li>Supporting the program to connect all instruments, establish an effective Service &amp; Maintenance mechanism and continuous training program for end-users/operators</li> </ul>	<ul style="list-style-type: none"> <li>Facilitate dissemination of best practices at international and regional conferences</li> <li>Sponsoring symposia and roundtable discussions</li> </ul>

\* Direct or through an approved local partner

#### CORPORATE HEADQUARTERS

904 Caribbean Drive  
Sunnyvale, CA 94089 USA

TOLL FREE +1.888.336.2743  
PHONE +1.408.541.4191  
FAX +1.408.541.4192

#### EUROPEAN HEADQUARTERS

Vira Soleih  
81470 Maurens-Scopont France

PHONE +33.563.82.53.00  
FAX +33.563.82.53.01  
EMAIL cepheid@cepheideurope.fr

www.Cepheidinternational.com

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