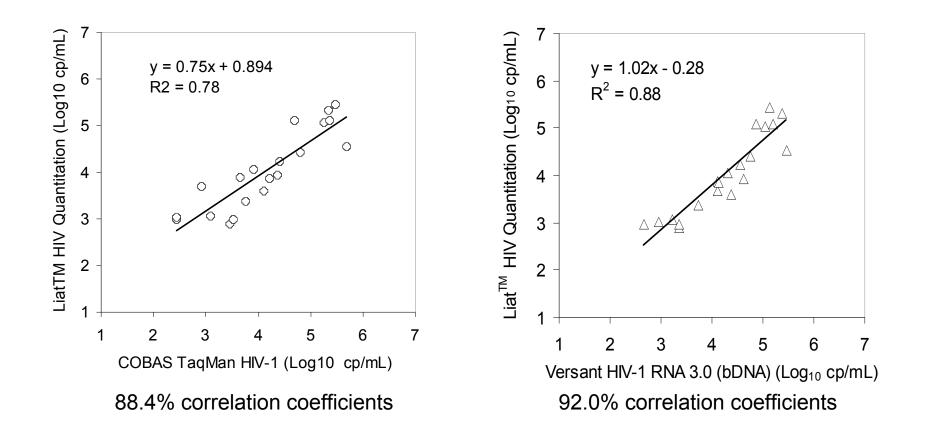
Current and Future Viral Load Technologies

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## Retrospective Clinical Sample Tests



## IMI's CLONDIAG HIV Viral Load Point-of-Care Test

Allows to determine HIV load (HIV) in fingerstick whole blood and plasma.

Multiple HIV-1 and HIV-2 targets are detected simultaneously by a proprietary microarray real time detection method.

The test includes internal controls for performance of nucleic acid extraction, purification, amplification and detection.

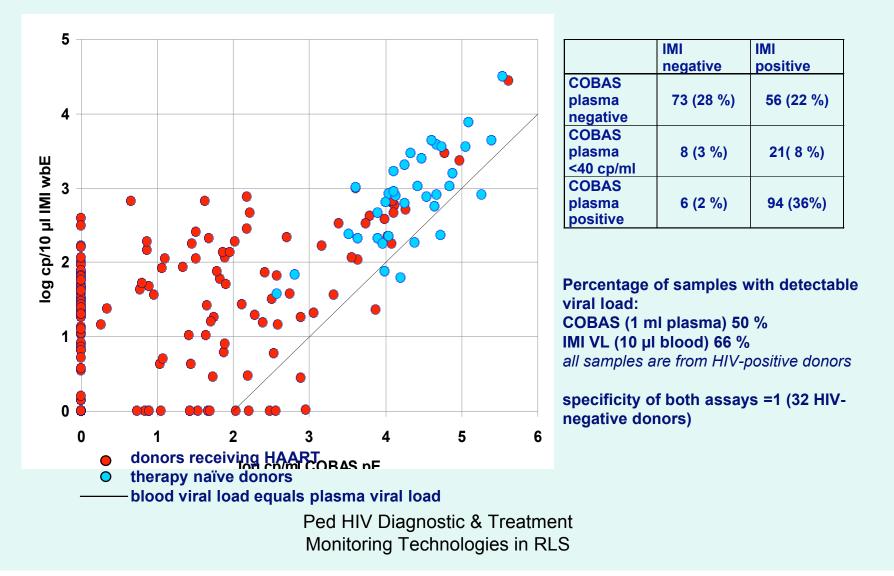
The sample is applied directly onto the test cartridge; no sample manipulation, metering, dilution, or mixing are required.

The cartridge is processed by a compact, battery driven instrument (W20cmXL24cmXH14cm). The test is planned to be in trials throughout 2010.



## **IMI CLONDIAG HIV VL Test**

Data generated on 1 ml of EDTA Plasma (COBAS Ampliprep/Taqman) versus 10 µl of Whole Blood (IMI's prototype assay)



## **Obstacles to Implementation**

- Infrastructure (may not be needed for POC)
- Guidelines and consensus protocols
- Lack of trained laboratory personnel (less emphasis for POC)
- Training tools
- Monitoring and evaluation tools
- Supply management
- Data management
- External quality assurance (Proficiency testing)