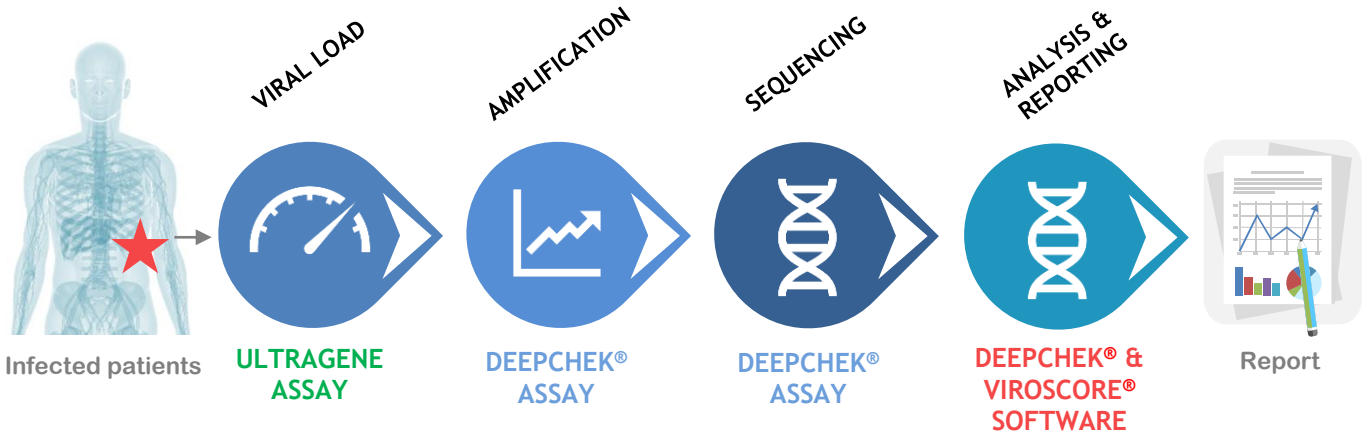
PRODUCTS OVERVIEW

ABL Advanced Biological Laboratories

SOLUTIONS

- DEEPCHEK® ASSAY > GENOTYPING
- SOFTWARE > ANALYSIS & INTERPRETATION
- ULTRAGENE ASSAY > VIRAL LOAD

TECHNOLOGY & CONCEPT



DEEPCHEK® ASSAYS AND SOFTWARE FOR HIV GENOTYPING

FEATURES

- For SANGER & Next Generation Sequencing (NGS)
- Compatible with any Sanger or NGS platform
- CE-IVD software
- RUO Assays – ISO-9001 manufacturing
- Automated software workflow
- Genotyping
- Drug resistance interpretation
- Reporting
- Integration / LIS connectivity
- Services (customization, data import…)

PERFORMANCES

- 400 µL plasma/serum - >1000 cp/mL
- Protocols for low viral loads available
- Fully-automated bioinformatics pipeline

ANALYTICAL SENSITIVITY	1000 cp/mL
ANALYTICAL SPECIFICITY	All subtypes & CRF
REPRODUCIBILITY	>99%

AVAILABLE SOON

- Robot for workflow simplification
- CE-IVD of DeepChek® Assays

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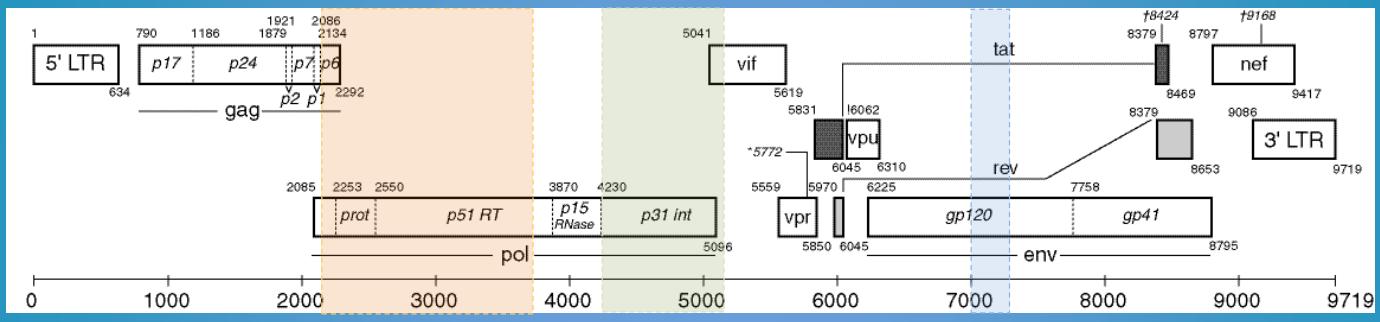
DEEPCHEK®-HIV ASSAYS



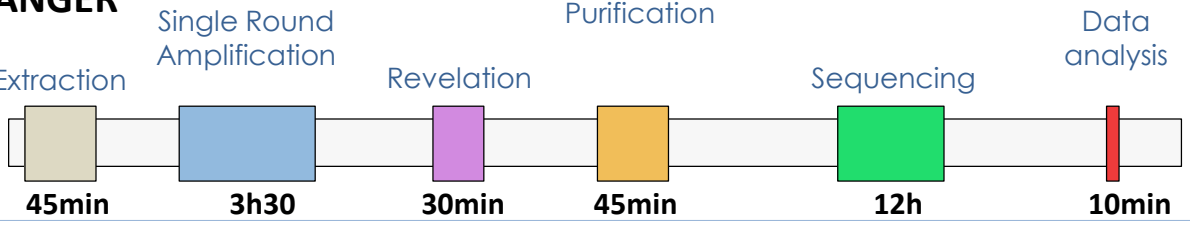
GENOTYPING & DRUG RESISTANCE
- DeepChek®-HIV RT / PR Genotyping Assay (K-16-H2-RTPR24)
- DeepChek®-HIV INT Genotyping Assay (K-15-026H2-INT)

TROPISM DETERMINATION
- DeepChek®-HIV V3 Loop / Tropism Assay (Available soon)

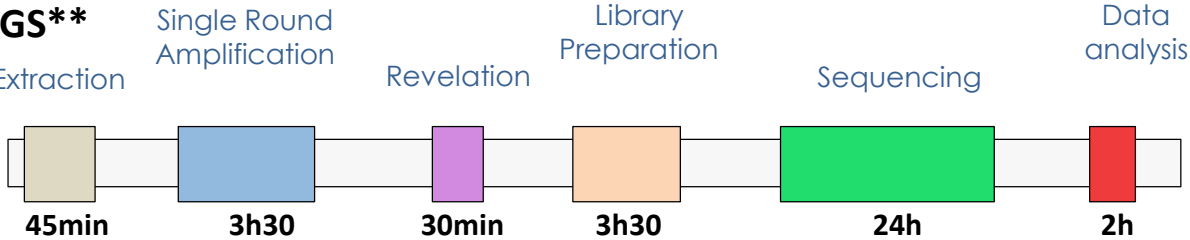
- RT-PCR reagents: primers, enzymes…
- Nested-PCR reagents (option): primers, enzymes…
- Sanger sequencing Primers
- Protocols for Sanger and NGS
- Sanger sequencing reagents (on-demand)
- NGS Library Prep reagents (on-demand)
- Software (Sanger and NGS) included

Extraction	Amplification		Sequencing		Data analysis
Extraction kit*	Thermocycler	RT-PCR Reagents	Library prep kit	Sequencer	Downstream analysis software

SANGER



NGS**



* Several protocols available
** Works on all NGS platforms (from 24 to 48 samples per run)

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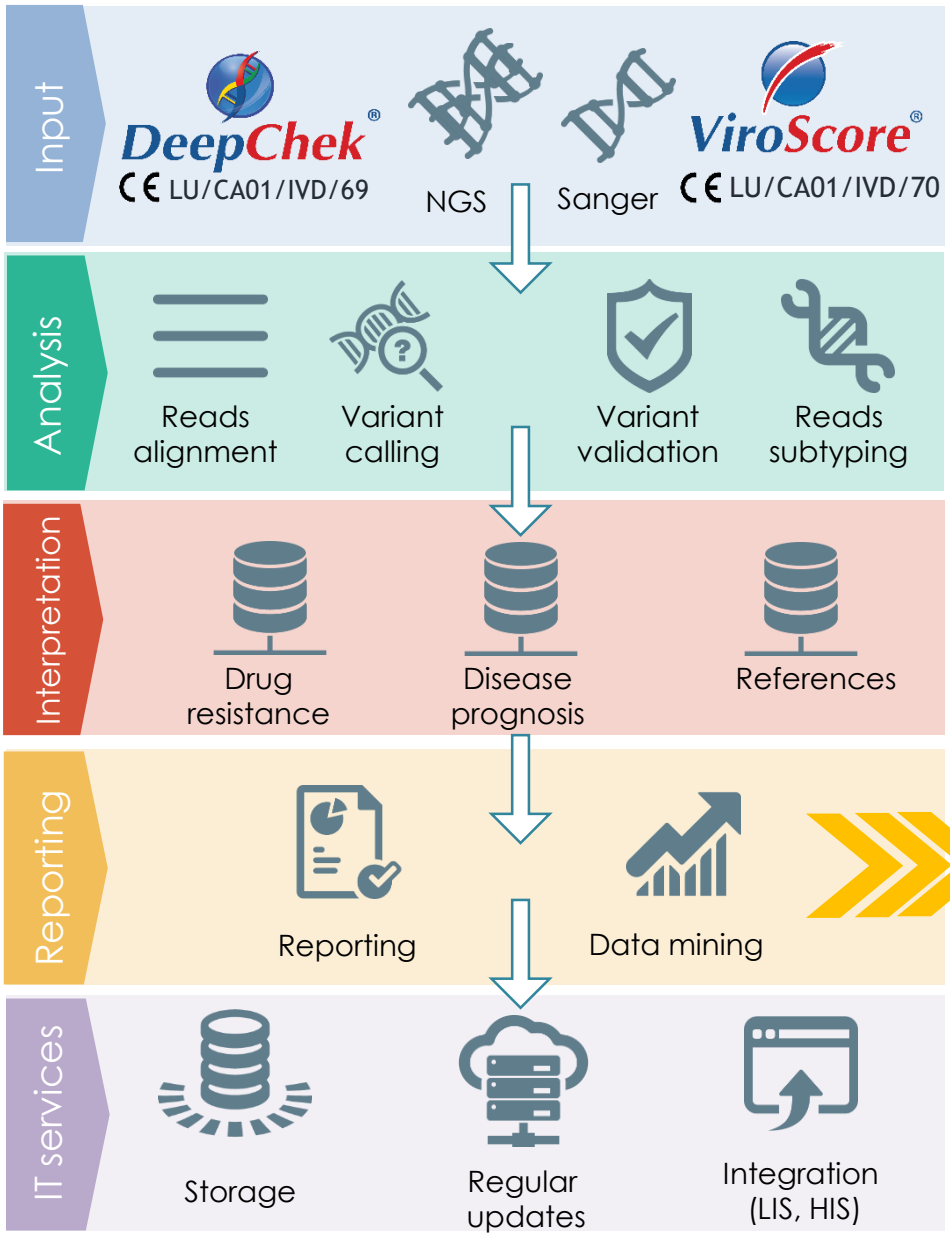
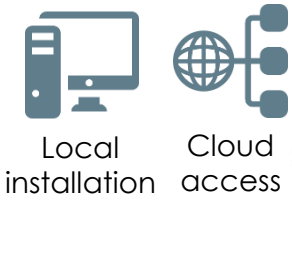
VIROSCORE®-HIV & DEEPCHEK®-HIV SOFTWARE

- RT, PROT, INT, GP120/V3, GP41
- Batch processing
- Inputs: AB1, FASTA, FASTQ, BAM…
- Traces assembling
- Manual or automated base calling
- Variant calling
- Genotyping/Subtyping
- Walk-away station: from chromatogram to genotyping report in <1min/sample (for Sanger)
- Drug resistance (HIVdb, ANRS, geno2pheno, …)
- Reporting (routine diagnostics and research)
- Integration with Laboratory or Hospital Information Systems (LIS / HIS)
- Available through the Cloud or local servers





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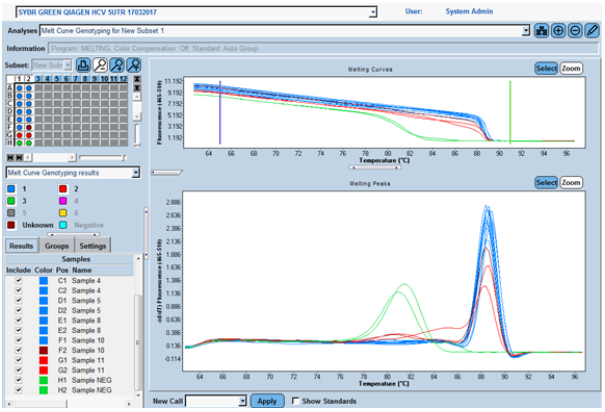
ULTRAGENE-HIV

- **qPCR in Disease Management**
  - Real-Time PCR allows for direct detection of the amount of HIV RNA or HIV proviral DNA in the patient samples.



Negative => Viral load not detectable

Positive => Viral load > 20 cp/mL

Reflex Genotyping Testing

ANALYTICAL SENSITIVITY — **20 cp/mL**

ANALYTICAL SPECIFICITY — **All subtypes & CRF**

REPRODUCIBILITY — **>99%**

Efficiency

Amplicons ready for sequencing:
- Genotyping, drug resistance…
- Time efficiency
- Cost efficiency
- Sample volume efficiency

CONTACT INFORMATION

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ORDERING INFORMATION

HIV Assays	
DeepChek®-HIV RT / PR Genotyping Assay (RUO)	K-16-H2-RTPR24
DeepChek®-HIV INT Genotyping Assay (RUO)	K-15-026H2-INT
DeepChek®-HIV V3 Loop/Tropism Assay (RUO)	To be determined
UltraGene®-HIV Assay (RUO)	To be determined
HIV Software	
DeepChek®-HIV Software (CE-IVD)	S-12-023 (HUS)
ViroScore®-HIV / ViroScore®-HIV Premium Software (CE-IVD)	S-09-014 (VSH)

ALSO AVAILABLE:
HCV, HBV

AVAILABLE SOON:
CMV, Influenza, Herpes, HPV, Tuberculosis, Microbiome