

DEEPCHEK® assays Quality and Efficiency Redefined



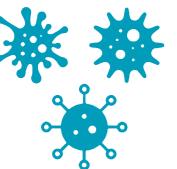
HIV Whole Genome

Capsid resistance assessment (Lenacapavir)



98/79/CE (IVDD)

The Whole Genome HIV-1 Genotyping is also CE-IVD certified



Pooling

Pool several DeepChek® Libraries (samples) from different applications in the same NGS run



Drug resistance assessment

All classes including new entry & capsid inhibitors



Proviral DNA

Exactly the same workflow and APOBEC mutations detection



High sensitivity

LoD of 1000cp/mL (down to 150 cp/mL through dedicated protocols) [V2.x assays]



9719 bp
High accuracy and reliability



NGS & SANGER

The same kit available for both Sanger and Next Generation Sequencing



Extremely fast library preparation protocol for prompt results and reduced manual intervention

Additional assays and reagents for sequencing

DeepChek® Assays - Amplification kits

Target	Assays	Ref. N°	Pkg	Cert.
HCV GT	DeepChek® Assay NS5B / 5'UTR Genotyping V3.x	110C24	24	RUO
	DeepChek® Assay CORE Genotyping V1.x	109A24	24	RUO
HCV DR	DeepChek® Assay NS5A Genotyping and Drug Resistance V1.x	105A24	24	RUO
	DeepChek® Assay NS5A (GT2) Drug Resistance V1.x	106A24	24	RUO
HBV	DeepChek® Assay RT Genotyping and Drug Resistance V1.x	113A24	24	RUO
	DeepChek® Assay Whole Genome HBV Genotyping V1.x	184A24	24	RUO
HDV	DeepChek® Assay Whole Genome HDV Genotyping V1.x	199A24	24	RUO
HPV	DeepChek® Assay HPV Genotyping V1	130A24	24	RUO
RSV	DeepChek® Assay Whole Genome RSV Genotyping V1.x	201A24	24	RUO
CMV	DeepChek® Assay UL54 / UL97 Drug Resistance V1.x	117A24	24	RUO
	DeepChek® Assay UL54 / UL56 / UL97 Drug Resistance V2.x	117B24	24	RUO
HSV	DeepChek® Assay TK / POL Drug Resistance V1.x	119A24	24	RUO
16s	DeepChek® Assay 16S rRNA Bacterial Identification V2.x	131B24	24	RUO
18S	DeepChek® Assay 18S rRNA Fungi Identification V1.x	191A24	24	RUO
	DeepChek® Assay 13-Plex KB Drug Susceptibility Testing V1.x	128A24	24	CE-IVD
TB	DeepChek® Assay 13-Plex KB Drug Susceptibility Testing V1.x	128A24_RUO	24	RUO
BKV	DeepChek® Assay Whole Genome BKV Genotyping V1.x	189A24	24	RUO
FluA	DeepChek® Assay Whole Genome Influenza A Genotyping V1.x	192A24	24	RUO
FluA/B	DeepChek® Assay Influenza A/B Genotyping V1.x	193A24	24	RUO
COVID-19	DeepChek® Assay Whole Genome SARS-CoV-2 Genotyping V4.x	159D48	48	RUO

Sequencing Reagents

Sequencing	Name	Reference	Pack size	Cart.
Sanger	DeepChek® SANGER SEQUENCING REACTION V1.x	123A24 / 123A48	24 / 48	RUO
	DeepChek® NGS LIBRARY PREPARATION V2.x	116B24 / 116B48 / 116B96 / 116B384	24 / 48 / 96 / 384	RUO
	DeepChek® ADAPTERS V2.x	124B24 / 124B48 / 124B96 / 124B384	(1-24) / (1-48) / (1-96) / (1-384)	RUO
NGS	DeepChek® NGS LIBRARY PREPARATION V3.x	116C24 / 116C96	24 / 96	RUO
	DeepChek® ADAPTERS V3.x	124C24 / 124C96	(1-24) / (1-96)	RUO
	DeepChek® ADAPTERS V4.x	124D24 / 124D96 / 124D384	(1-24) / (1-96) / (1-384)	RUO
	DeepChek® NGS Clean-up beads	N411-01 / N411-02	5mL / 60mL	



Diagnostics

ABL

Advanced
Biological
Laboratories

Diagnostics

NGS DeepChek® HIV Genotyping & Drug Resistance Assays Targeting

Assays	Version	Ref. N°	Pkg	Cert.	NGS	Sanger	Drug resistance identification										
							1	2	3	4	7	8	Binding inhibitors	Fusion inhibitors	Reverse Transcriptase inhibitors	Intraseptase inhibitors	Protease inhibitors
DeepChek® Assay Whole Genome HIV-1 Genotyping	V1.x	170B24	24	CE-IVD	○		○	○	○	○	○	○					
	V2.x	170B24_V2_RUO	24	RUO	○		○	○	○	○	○	○					
DeepChek® Assay GP41/GP120 Genotyping and Drug Resistance	V1.x	194A24	24	RUO	○		○	○									
		194A96	96	RUO	○		○	○									
DeepChek® Assay V3 LOOP / TROPISM	V1.x	103A24	24	RUO	○	○		○									
DeepChek® Assay HIV-1 Full PR/RT/INT Drug Resistance	V2.x	198B24	24	RUO	○				○	○	○						
DeepChek® Assay REVERSE TRANSCRIPTASE SIMPLEX Genotyping and Drug Resistance	V1	197A24	24	RUO	○	○			○								
DeepChek® Assay PROTEASE / REVERSE TRANSCRIPTASE Genotyping and Drug Resistance	V1.x	121A24	24	CE-IVD	○	○			○	○	○						
		101B24	24	RUO	○	○			○	○	○						
		101B96	96	RUO	○	○			○	○	○						
DeepChek® Assay PROTEASE/REVERSE TRANSCRIPTASE SEQUENCING	V1.x	125A24	24	CE-IVD	In association with code 121A24 for Sanger sequencing.												
DeepChek® Assay INTEGRASE Genotyping and Drug Resistance	V1.x	122A24	24	CE-IVD	○	○					○						
DeepChek® Assay INTEGRASE SEQUENCING	V1.x	102C24	24	RUO	○	○				○	○						
		102C96	96	RUO	○	○				○	○						
DeepChek® Assay GAG Genotyping and Drug Resistance	V1.x	195A24	24	RUO	○							○					

DEEPCHEK® Software Meets all clinical needs

Features:

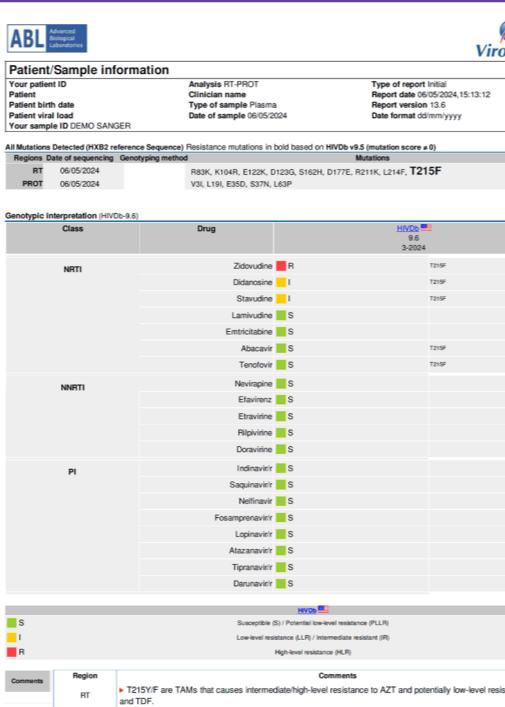
- CE-IVD.
- For Sanger (chromatogram editor integrated) & NGS.
- Database / storage.
- For both Capillary (Sanger) and Next Generation Sequencing (NGS) genetic analyzers.
- Chromatogram editor integrated.
- Report customization.
- Historical data import.
- Hosting: On premise (local servers) or Cloud (including Health Data Hosting compliance).
- Access for an unlimited number of users.
- Annual license with unlimited number of analyses.

Returned information:

- Minor variants detection.
- Genotyping, Drug resistance and Tropism interpretation.
- Complete and comprehensive clinical genotyping report.
- Cumulative and Longitudinal genotyping report.
- APOBEC mutations detection.
- Viral or bacterial drug resistance.
- Vaccine escape and disease prognosis.
- Viral genotype.
- Useful for tailoring patient's antiviral or antibacterial drugs based on the virus or bacteria sensitivity level.

DEEPCHEK® HIV Software

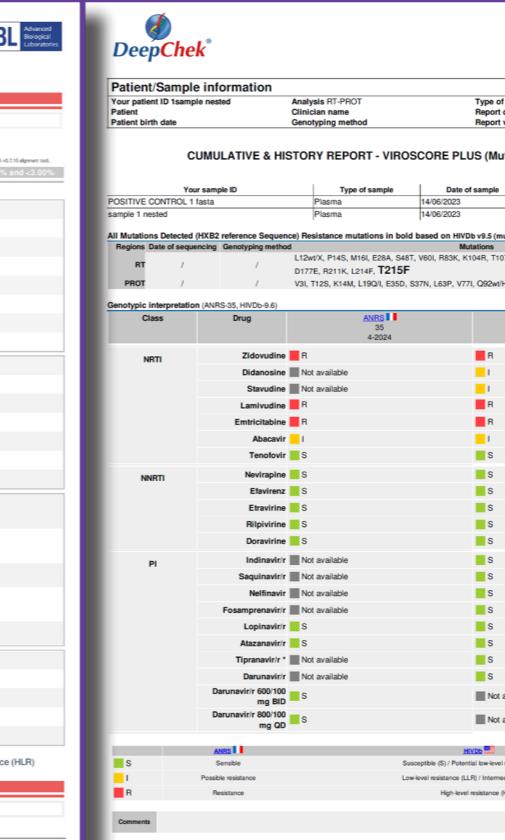
Sanger Clinical genotyping



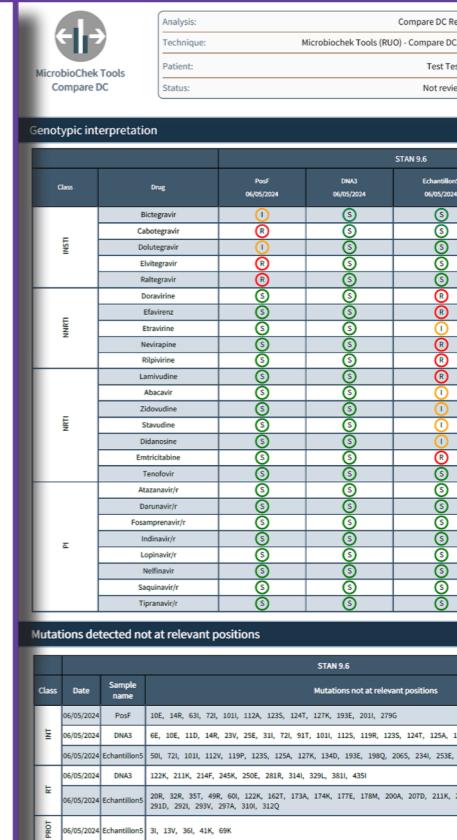
NGS Clinical genotyping



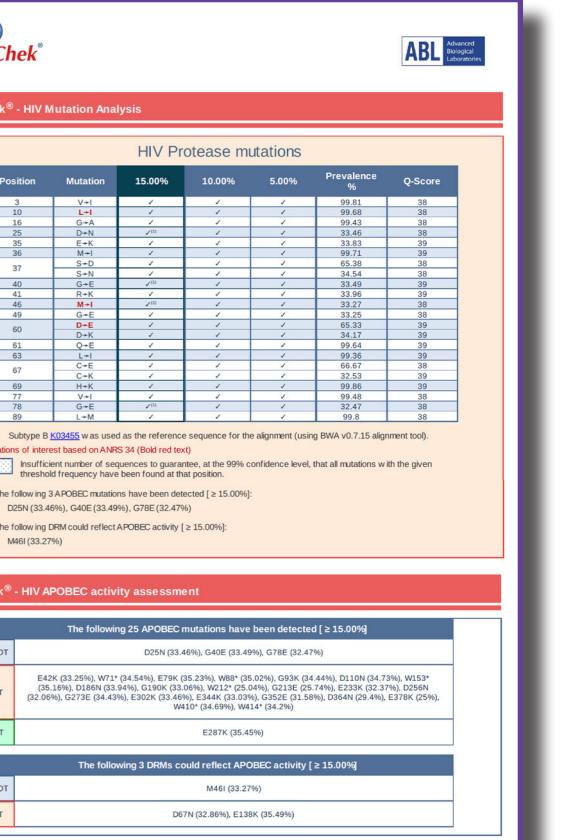
Cumulative Clinical genotyping



Longitudinal Clinical genotyping



APOBEC Detection



ALL ANALYSES
Subtyping, Mutations detection, Tropism, Resistance

ALL GUIDELINES
HIVdb, ANRS, HIV Grade, Geno2Pheno, REGA, ...

ALL DRUGS
NRTI, NNRTI, PI, Integrase Inh, Entry Inh, Fusion Inh, Capsid Inh

ALL MUTATIONS COVERED

