One step closer to realizing the 90-90-90 target

Introducing a rapid, reliable, and cost-effective HIV-1 genotyping service in Africa at KRISP

A major goal of the United Nations’ effort to address the world AIDS epidemic is the UNAIDS 90-90-90 target: by the year 2020, 90% of all people living with HIV will know their HIV status; 90% of all people with a diagnosed HIV infection will receive sustained antiretroviral therapy; and 90% of all people receiving antiretroviral therapy will have viral suppression.

This 90-90-90 target is helping to drive improved access to antiretroviral drugs (ARVs) in resource-limited settings, and thus the need for more widespread drug-resistance testing. To help meet this global need, the new Applied Biosystems™ HIV-1 Genotyping Kit harnesses gold-standard Sanger sequencing technology to amplify and reliably sequence the diverse and rapidly evolving HIV-1 virus.

The service enables reliable genotyping of the genetically diverse HIV-1 virus from plasma and dried blood spot (DBS) samples, to detect resistance to protease inhibitors, nucleoside reverse-transcriptase inhibitors, and non-nucleoside reverse-transcriptase inhibitors.

**Better subtype inclusivity**
- Detects HIV-1 subtypes A, B, C, D, AE, CRF01_AE, CRF 02_AG, and AG
- Detects mutations in the protease and reverse transcriptase regions
- Generate genotyping results for plasma and dried blood spot (DBS) samples, with a limit of detection (LOD) of 1,000 copies/mL and 2,000 copies/mL, respectively
- KRISP laboratories participate in international validation panels. The labs also operationalize as an ISO accredited laboratory.

**A trusted assay developed and manufactured by a trusted partner**
- Improved Applied Biosystems™ assay workflow, developed by Thermo Fisher Scientific in collaboration with the Centers for Disease Control and Prevention.

**Promotion in South Africa and other African countries**
*From Jul to Dec 2019*
- ZAR 800,00/US$ 55,00 (Exc VAT)
- Turn around: Seven (7) working days
- Samples: Plasma or DBS

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