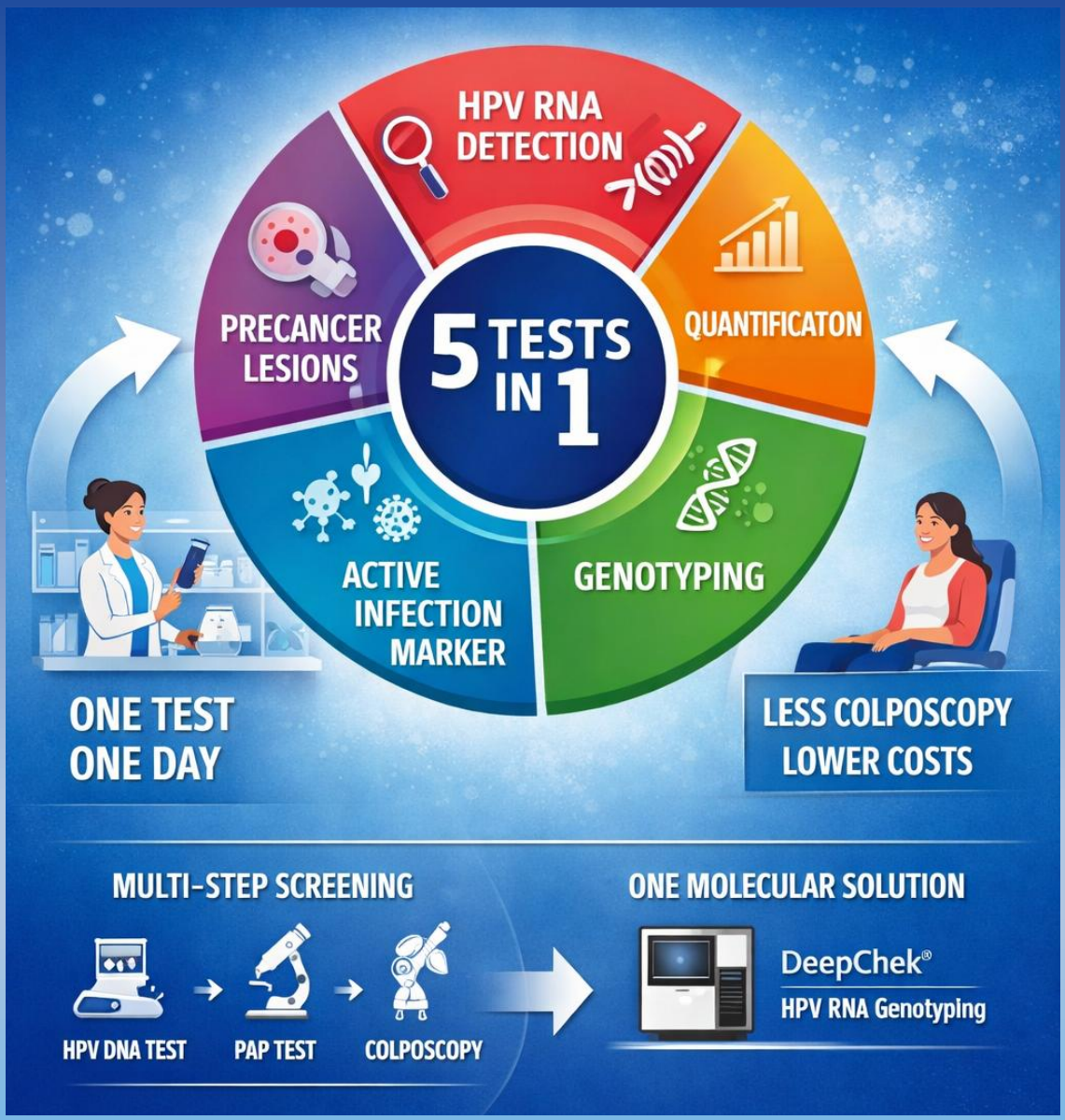
DeepChek® Assay HPV messenger RNA (mRNA) Detection & Genotyping (RUO)

A Game Changer in Cervical Cancer Management



The Breakthrough: 5 Tests in 1

5 Tests in 1 – One Molecular Solution:

- HPV RNA Detection
- HPV Quantification
- HPV Genotyping
- Marker of Active Infection
- Precancer Lesions Determination

Why It Matters

Traditional screening:

- HPV DNA test → low predictive value
- Cytology → subjective, low sensitivity
- Multiple steps → costly & inefficient

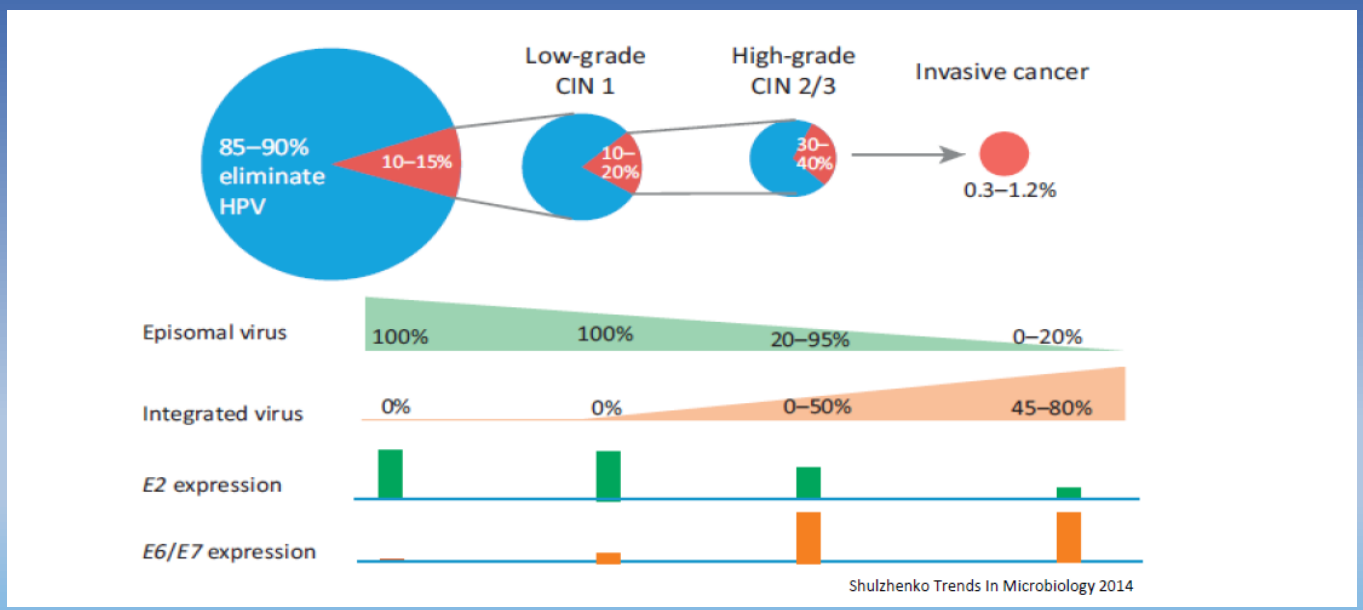
Leads to unnecessary follow-ups and colposcopies

The Breakthrough

RNA-based NGS technology provides:

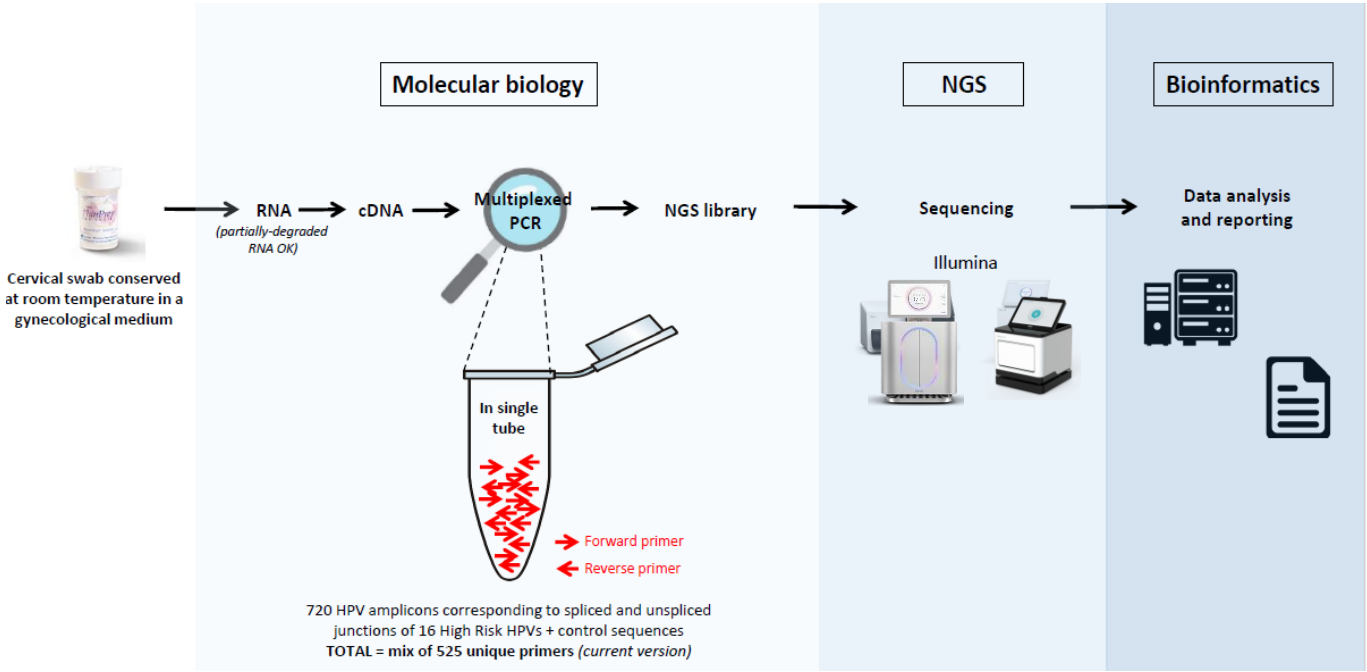
- Insight into viral activity (not just presence)
- Direct correlation with high-grade lesions (HSIL)
- Improved patient risk stratification

Gene expression balance serve as a molecular marker for different stages of HPV infection, with E6 and E7 genes associated with the cancerous state

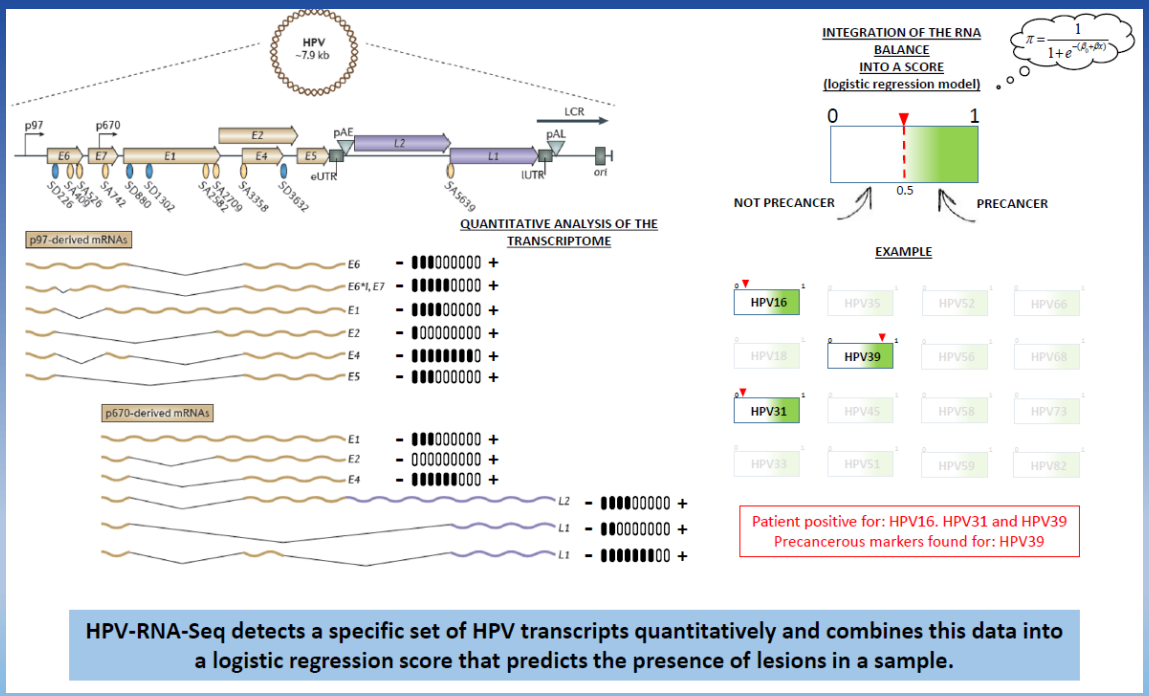


Overview

DeepChek® Assay HPV messenger RNA Genotyping employs a targeted-NGS methodology to generate RNA sequencing data from standard cervical swabs

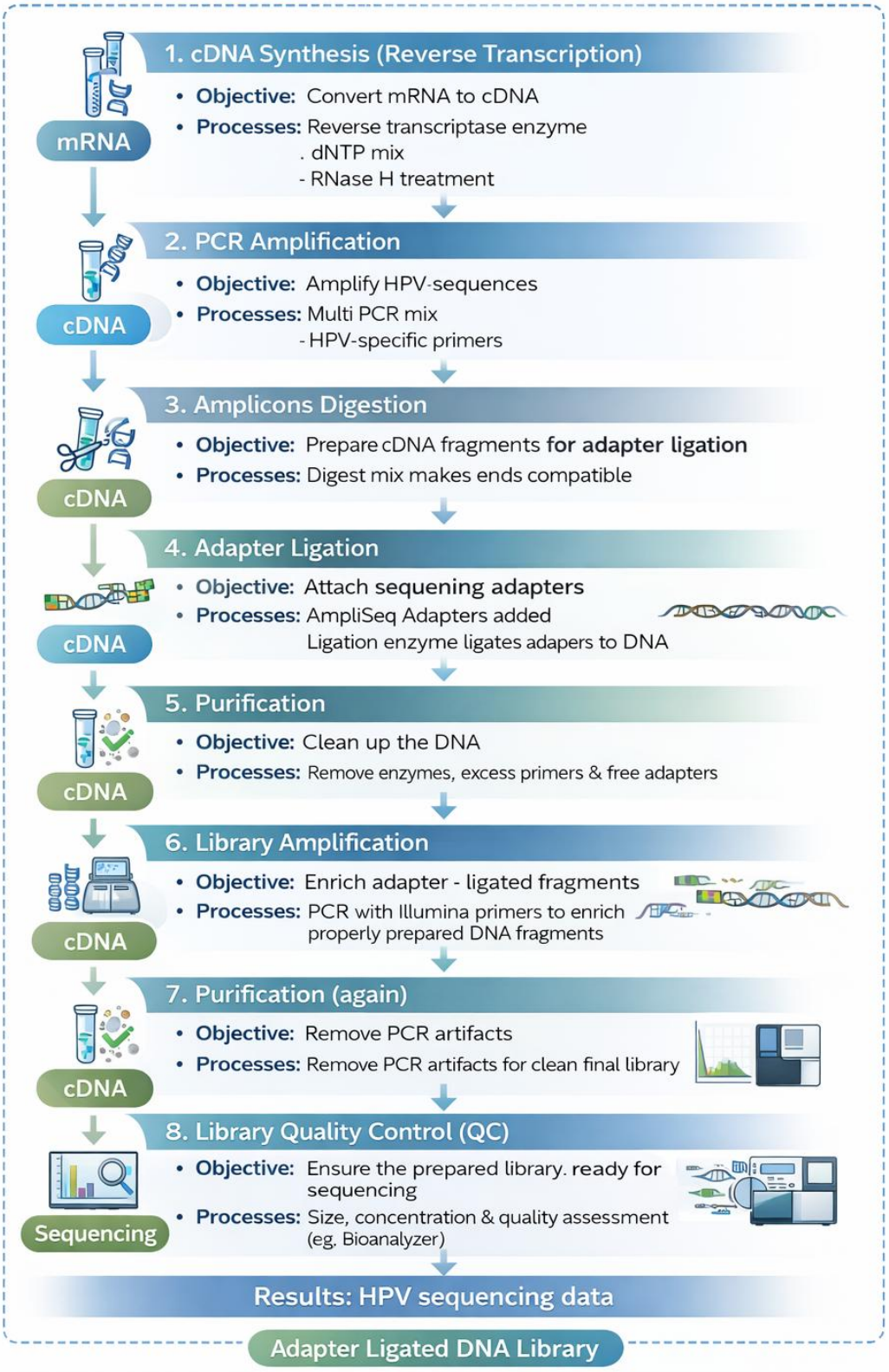


From data to interpretation into a score

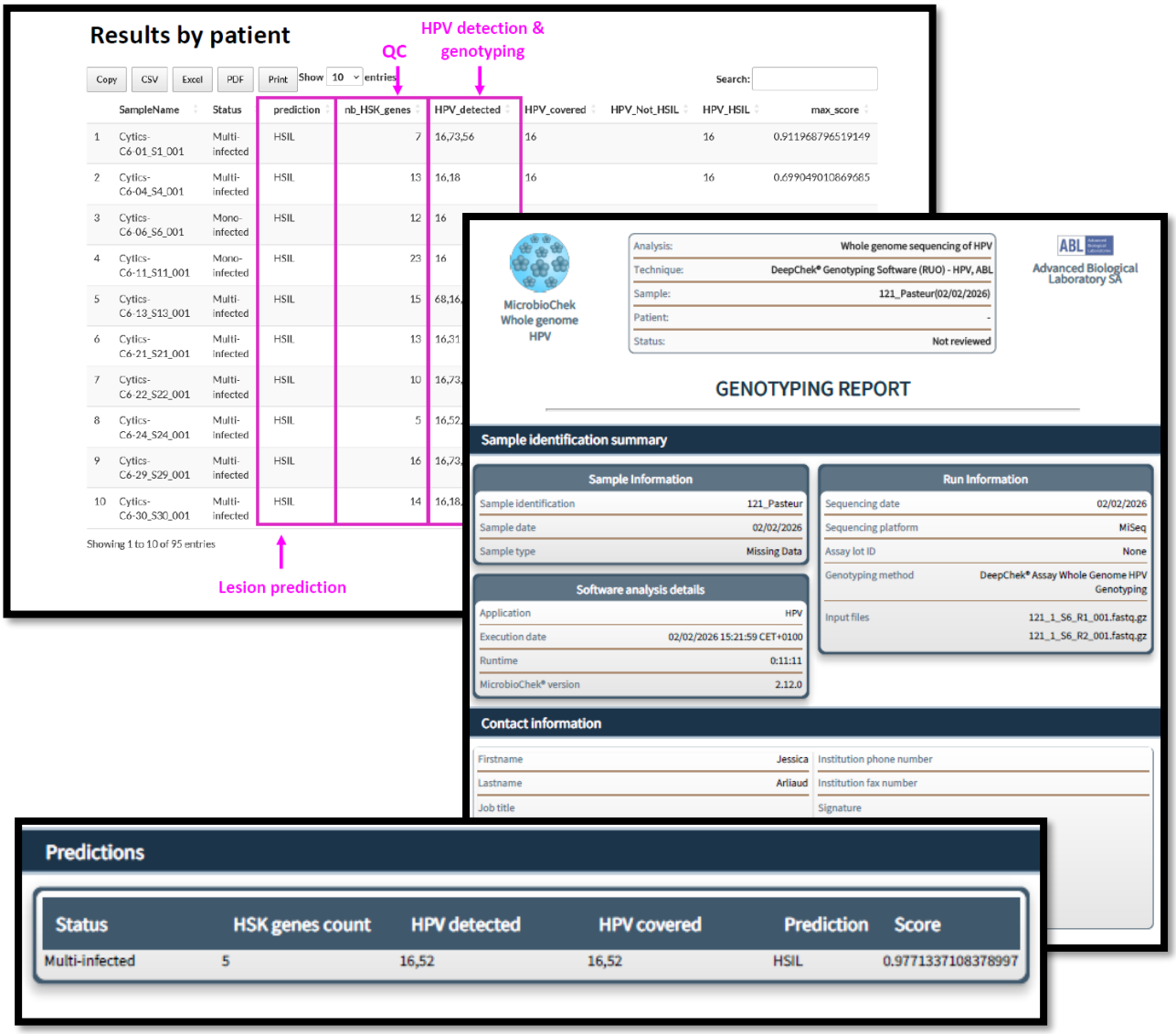


HPV-RNA-Seq detects a specific set of HPV transcripts quantitatively and combines this data into a logistic regression score that predicts the presence of lesions in a sample.

Scientific Workflow



Bioinformatics pipeline for analysis & interpretation



Contacts & references

DeepChek® Assay HPV messenger RNA Genotyping (24 tests)..... 208A24

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