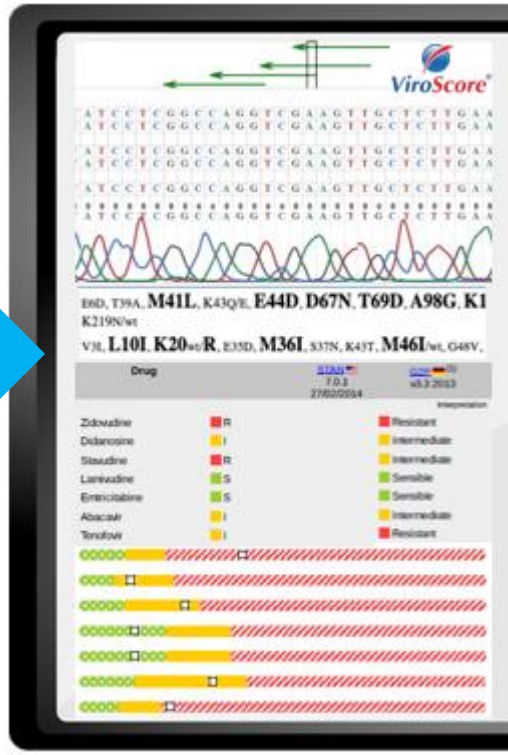
ABL Advanced Biological Laboratories

Improving Disease Management

DeepChek® Assay 16S rRNA Bacterial Identificaton V1

End-to-End Solutions for Bacterial Identification



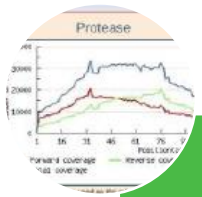
OVERVIEW

MOLECULAR DETECTION

END-TO-END

GENOTYPING

Automation
- Lab workflow/Robot
- IT
- Lab Integration



Software
- qPCR interpretation
- Genotyping interpreation

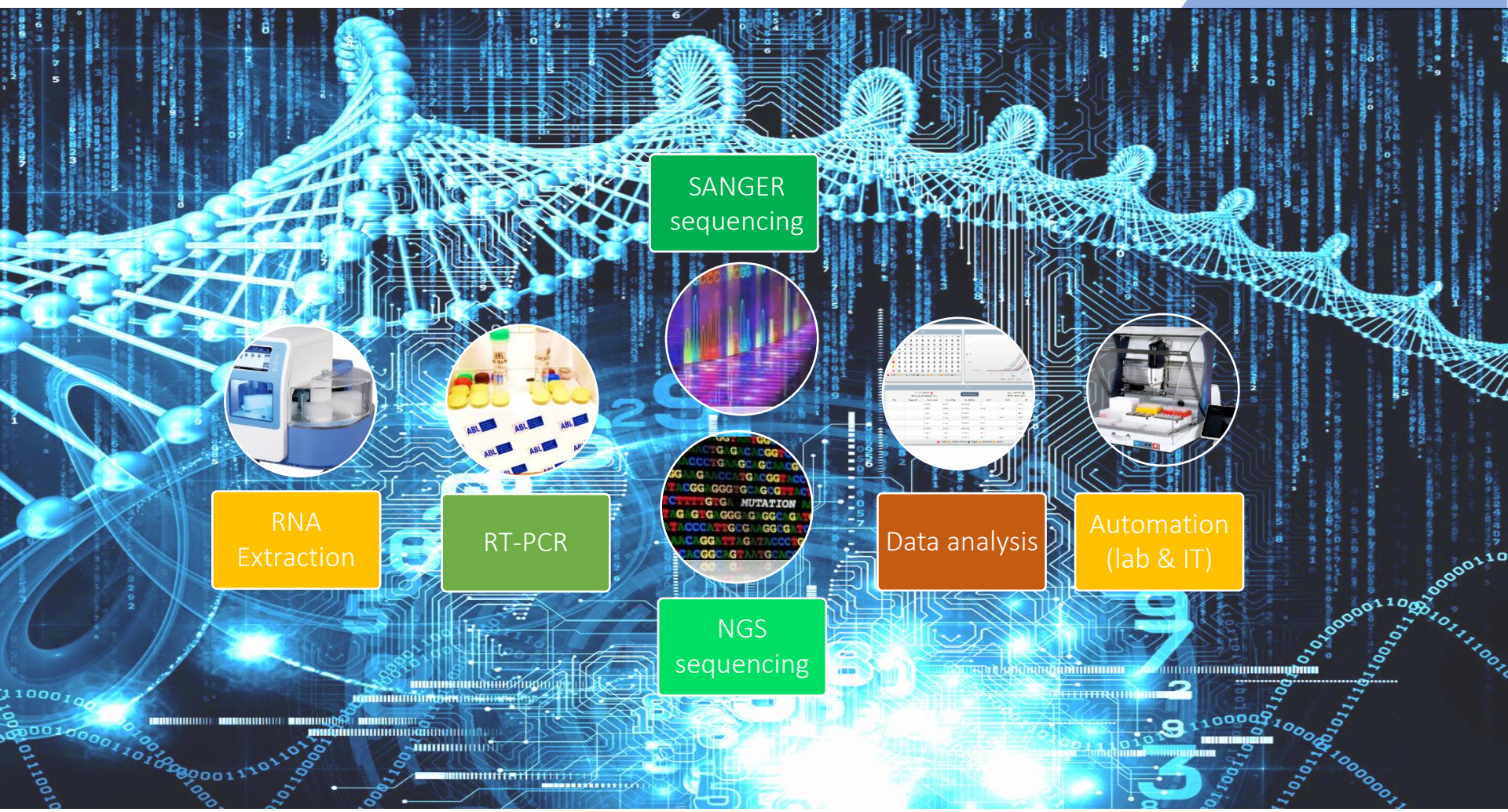
Sequencing
- Library Prep assays
- Sanger sequencing assays
- Sequencers

PCR
- qPCR instruments
- qPCR detection assays
- PCR assay

RNA/DNA Extraction
- Manual extraction
- Automatic extraction: kit + instrument

Sample collection
- Saliva collection kits
- Oro and Naso pharyngeal swabs

OVERVIEW OF DEEPCHEK SOLUTION



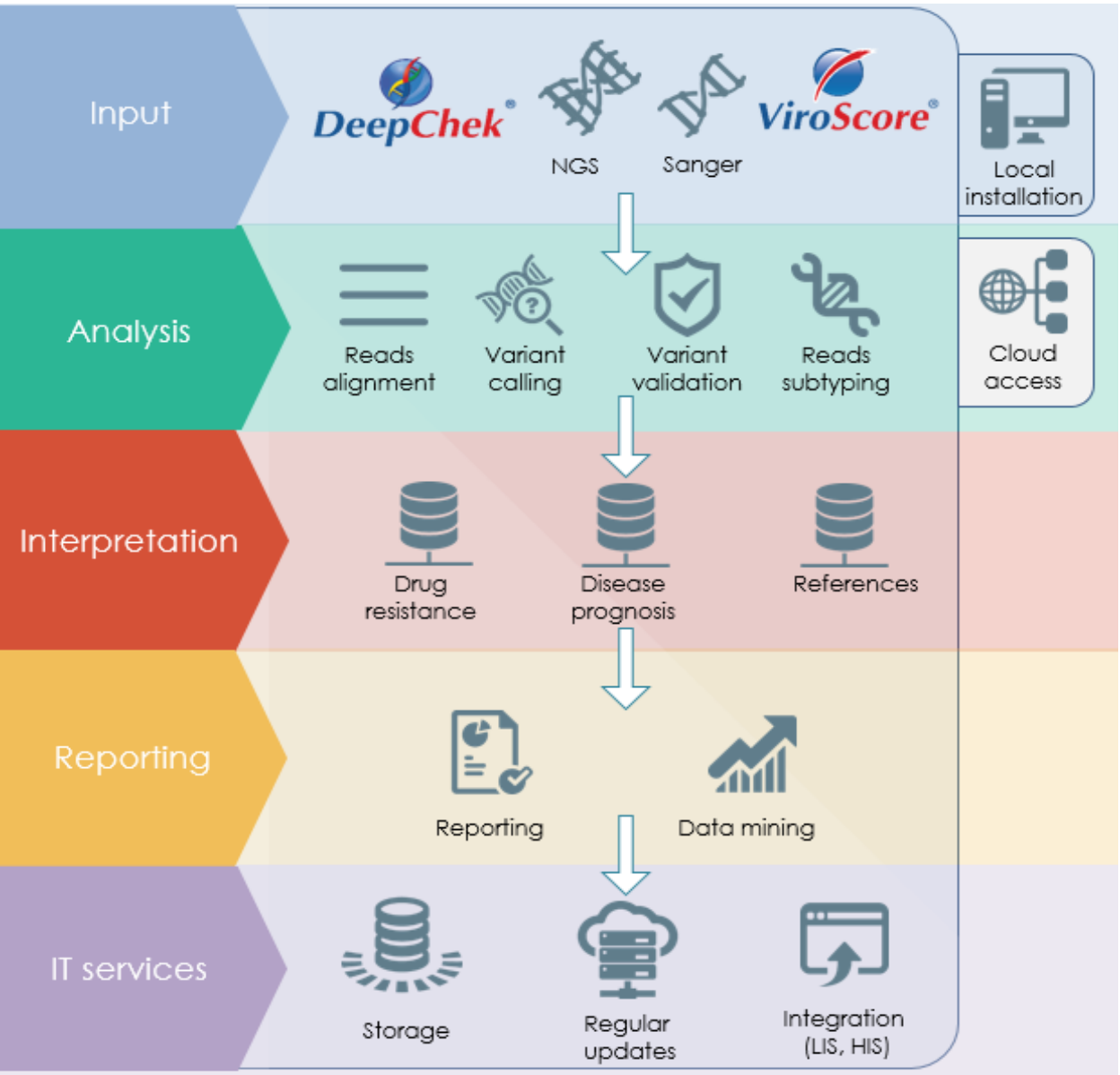
SANGER	TAT ~30min HOT ~10min	TAT ~4h30 HOT ~15min	TAT ~12h HOT ~10min	TAT ~15min HOT ~5min	TAT ~17h HOT ~40min
NGS	TAT ~30min HOT ~10min	TAT ~4h30 HOT ~15min	TAT ~24h HOT ~2h	TAT ~2h HOT ~10min	TAT ~31h HOT ~2h35
NGS + Robot	TAT ~30min HOT ~10min	TAT ~4h30 HOT ~2min	TAT ~24h HOT ~15min	TAT ~2h HOT ~10min	TAT ~31h HOT ~52min

DeepChek Pipetting Robot Titanium

SOFTWARE OVERVIEW

DeepChek® ViroScore® BacterioChek™ MicroBioChek

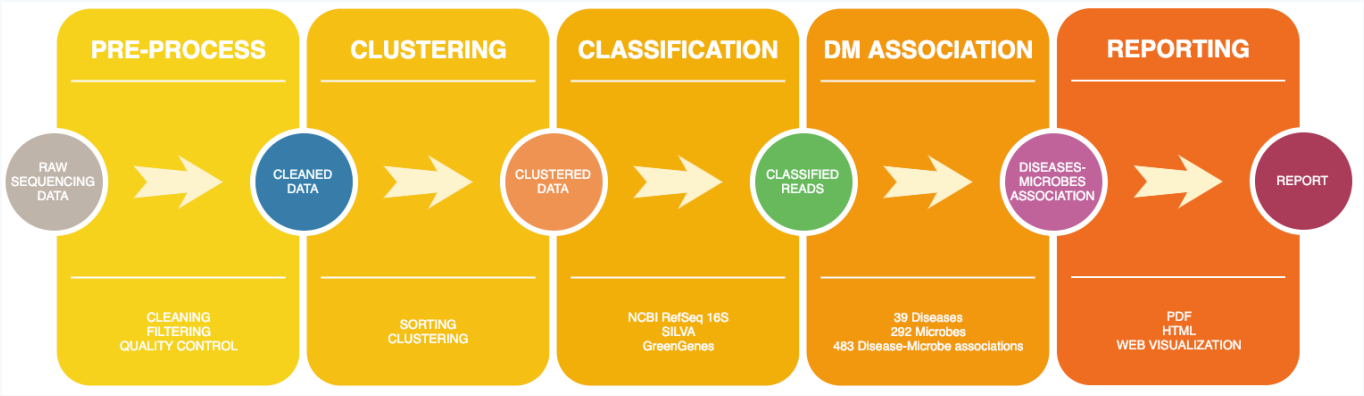
Downstream sequencing data analysis platform

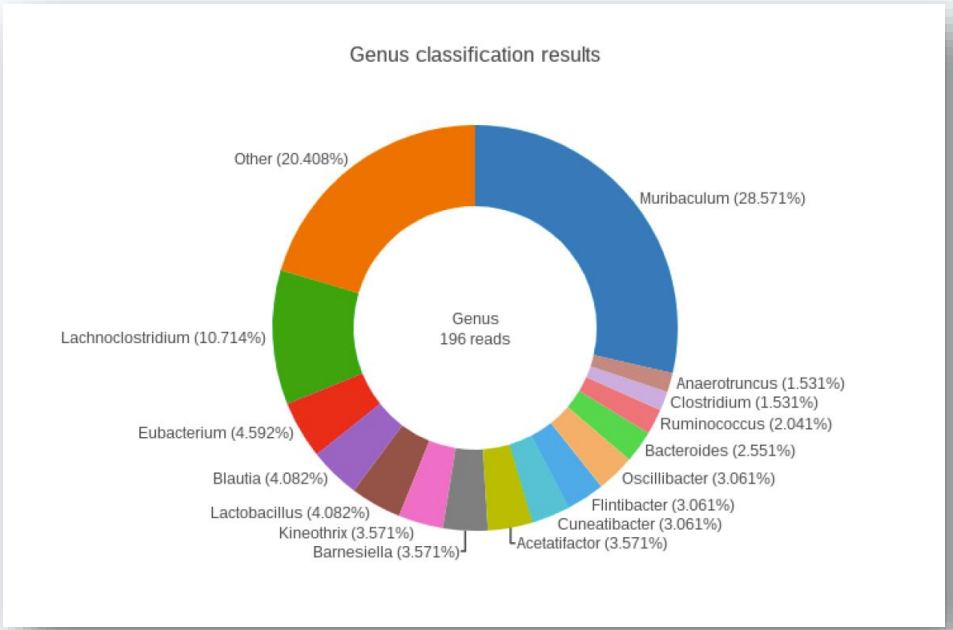


- Bio-informatics analysis validated based on:
  - The application
  - The type of sequencer
- Different interpretations
  - Drug resistance
  - Tropism (HIV)
  - Vaccine escape
  - Disease prognosis
- Different reports
  - For routine use
  - For research
  - Quality reports
- Data storage capacity
  - SANGER Data
  - NGS data
  - Results
  - Reports
- An up-to-date system
  - Regular updates
  - Quarterly upgrades
  - Integration with LIS…

SOFTWARE

MicrobioChek® Software
16s RNA Analysis





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