BioVendor Group NGS

Focused or Comprehensive?

ViennaLab NGS assays enable focused analysis of germline and somatic variants in selected cancer-associated genes as well as comprehensive Clinical Exome analysis.
ViennaLab offers a complete solution comprising library preparation, bioinformatic analysis and generation of a genetic variant report.

Hereditary Cancer NGS Assay

Covered Genes	APC, ATM, BARD1, BLM, BMPR1A, BRCA1, BRCA2, BRIP1, CDH1, CDK4, CDKN2A, CHEK2, EPCAM, MLH1, MRE11A, MSH2, MSH6, MUTYH, NBN, PALB2, PMS2, PRSS1, PTEN, RAD50, RAD51C, RAD51D, SLX4, SMAD4, STK11, TP53, VHL
Variants	SNV, InDel, CNV#
Assay Type	Target enrichment by hybridization
Target Region	Whole CDS (Target size: 97Kb)
Order Information	REF 9-221 (16 rxn)

Somatic Mutations NGS Assay

Covered Genes	ALK*, APC, BRAF, EGFR, ERBB2, KRAS, MET, NRAS, PIK3CA, RET*, ROS1*, SMAD4, TP53
Variants	SNV, InDel, Fusions*#
Assay Type	Target enrichment by hybridization
Target Region	Whole CDS and hotspot introns for fusions* (Target size: 62Kb)
Order Information	REF 9-231 (16 rxn)

Clinical Exome Sequencing (CES) NGS Assay - comprehensive solution for challenging phenotypes

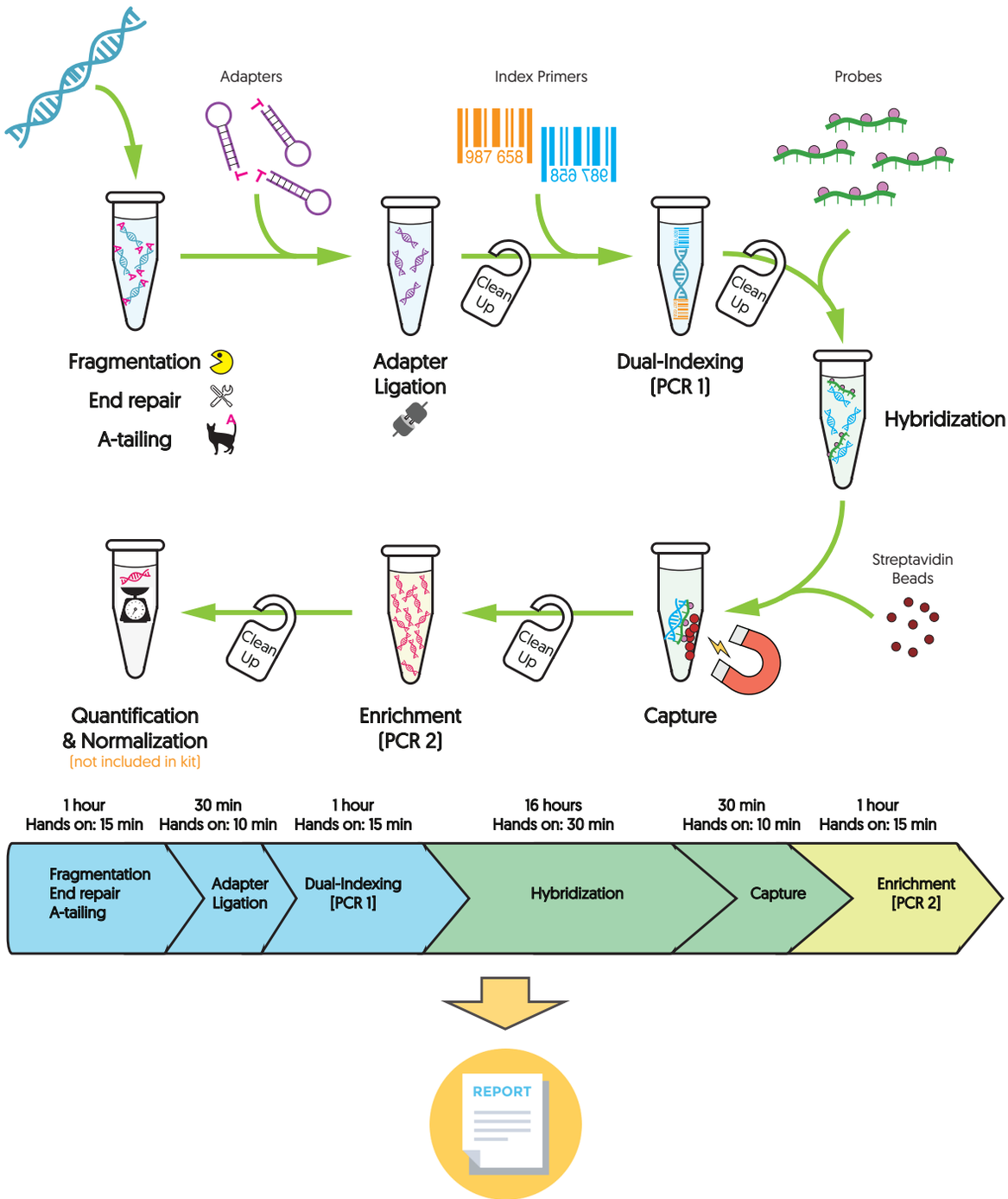
Covered Genes	7500+ genes that are known contributors of disease pathogenesis
Variants	SNV, InDel
Assay Type	Target enrichment by hybridization
Target Region	Whole CDS, hotspots, mitochondrial genome (Target size: 19,7 Mb)
Highlights	- Covering >100 genetic diseases in fields such as Immunology, Neurology, Pulmonology, ... - Optimized panel content resulting in a cost-efficient solution compared to WES - Robust protocol with high on-target rate
Order Information	REF 9-241 (4x4 rxn)

Analysis available upon request

Key Features

- Suitable for intact and FFPE DNA
- Sensitive detection of low frequency variants
- Compatible with Illumina sequencing platforms
- Access to web-based data analysis pipeline and report generation included
- Optimized bioinformatic filtering solution to identify pathogenic variants

The Workflow and timeline of ViennaLab NGS Assays



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