

abSEQ™ Colorectal Cancer NGS Panel

Molecular Diagnostics



Finding variants in DNA is becoming easier... Knowing the impact of those changes is the KEY!

AITbiotech **abSEQ™ Colorectal Cancer NGS Panel** is an NGS (Next-generation Sequencing)-based assay kit for the targeted analysis of key genes that are known to be involved in colorectal cancer, for which, there are potential medications which may be able to treat those gene products which have become mutated. These are known as actionable mutations..

More than just finding the mutations, AITbiotech's **abSEQ™ Colorectal Cancer NGS Panel** includes proprietary data analysis software- called **abSEQ™ Onco-Analyzer**- which scans the variations found in a sample and specifically finds those changes which are key to cancer development- giving you added confidence and precision in your diagnosis.

Highlights

- Validated on FFPE samples
- Multiplex up to 16 samples on 1 Ion Torrent PGM™ run (Ion 318™ Chip, ~1000x minimum coverage)
- Powerful analysis tool - **abSEQ™ OncoAnalyzer** for variant analysis and reporting
- From clinical sample to results in 10.5 hours

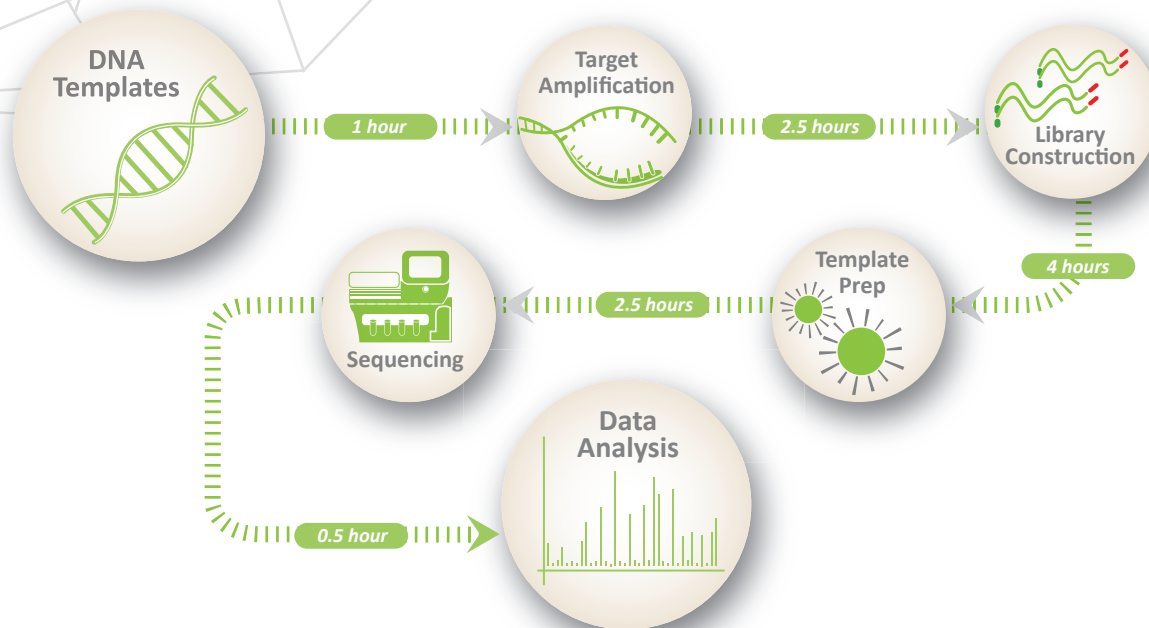


Figure 1. *abSEQ™* Colorectal Cancer NGS Panel Workflow on Ion Torrent PGM™

<i>abSEQ™</i> Colorectal Cancer NGS Panel	
Targets	Entire coding region of EGFR, BRAF, TP53, PTEN, KRAS, NRAS and PIK3CA genes
Amplicon Size	125 -175 bp
Primer Pool Size	205 primer pairs in 2 tubes
Amount of DNA Template	~ 20 ng per DNA sample
Sample Multiplexing	With 1000x minimum coverage: Up to 4 samples on Ion 314™ Chip Up to 8 samples on Ion 316™ Chip Up to 16 samples on Ion 318™ Chip

Ordering Information	
Product Name	<i>abSEQ™</i> Colorectal Cancer NGS Panel The kit includes all reagents needed for target amplification and library construction
Pack Size	16 reactions
Cat. No.	300800