Overcome Data Analysis Challenges with the QuantideX® NGS Reporter

Quality Results, Every Time

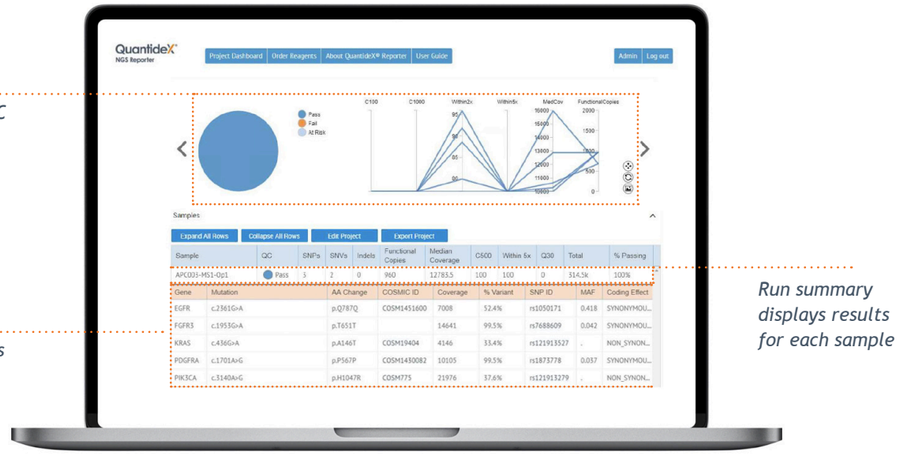
Our *Sample-Aware*™ bioinformatics solution combines machine-learning algorithms with integrated QC capabilities to ensure constant result quality monitoring and reduce false positive results while highlighting false negative risk.

Simple to Run, Easy to Install

The QuantideX NGS Reporter provides push-button analytics and can be installed locally on a Windows® desktop computer. No prior bioinformatics experience or large server environments required.

Automated Reporting of Results

Full bioinformatics and reporting of variants (SNVs, indels), and standard QC metrics are automatically calculated.



Robust sample QC assessment

Each row expands to provide more information on variants

Run summary displays results for each sample

Ordering

Product Name	Number of Samples	Catalog Number
QuantideX NGS DNA Hotspot 21 Kit*	48	76044

*CE-IVD. For US export only.

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Austin TX 78744
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For more information on the QuantideX products, please visit asuragen.com/portfolio/oncology

QuantideX®
NGS DNA Hotspot 21 Kit (CE-IVD)

QuantideX®

NGS DNA Hotspot 21 Kit (CE-IVD)

The QuantideX® NGS DNA Hotspot 21 Kit (CE-IVD) is an *in vitro* diagnostic test that screens for over 1,500 variants, including single nucleotide variants (SNVs), insertions/deletions (indels), and structural rearrangements, many of which are treatable with approved therapies, inform on patient management, or are the subject of further clinical evaluation. Leveraging our proprietary NGS-in-a-Box™ workflow and *Sample-Aware*™ bioinformatics quality control system, the assay detects the most common genomic variants in a variety of tumor types with sensitivity and accuracy you and your clinicians can trust.

REDUCED COMPLEXITY

- Detects >1,500 variants from commonly mutated genomic regions across multiple tumor types
- End-to-end kitted solution
- Fully integrated data analysis pipeline

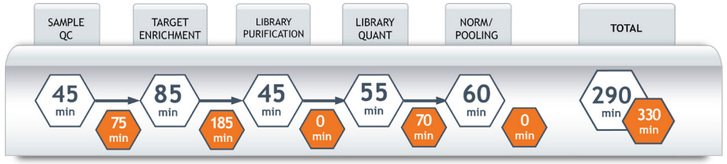
OPTIMIZED WORKFLOW

- Reduced labor vs. current commercially available kits (>50% improvement)
- Improved turnaround time enables higher throughput
- Common workflow across NGS portfolio streamlines training, testing, and implementation

QUALITY PERFORMANCE

- Highly sensitive detection of DNA-based variants
- Low input (~20 ng) of DNA from FFPEs
- *Sample-Aware*™ bioinformatics analysis and sample quality control

Sample-to-Result in as Little as One Day



ASURAGEN

~5 hr Asuragen Hands-on Time

5½ hr QuantideX Workflow

TOTAL = 10½ HOURS

QuantideX® NGS DNA Hotspot 21 Kit Mutation Coverage

Quickly identify therapeutic targets and other variants being evaluated in clinical trials.

GENE	CODON RANGE	GENE	CODON RANGE	GENE	CODON RANGE	GENE	CODON RANGE	GENE	CODON RANGE
ABL1	249-258 304-318	*EGFR*	486-493 709-721 737-761 767-798 849-861	*FGFR3*	248-260 362-374 638-653	*JAK2*	607-620	*NRAS*	9-20 55-67 110-119 144-150
ALK1	1174-1196 1274-1278			*FLT3*	829-840	*KIT*	557-579 815-826	*PDGFRA*	560-572 840-852
AKT1	17-27	*ERBB2*	755-769 774-788 839-847 877-883	*HRAS*	9-20 59-76 113-121	*KRAS*	4-15 55-65 104-118 137-148	*PIK3CA*	540-551 1038-1049
AKT2	17-26			*IDH1*	122-134				
BRAF	465-474 591-612	*FGFR1*	123-136 250-262	*IDH2*	138-145 163-174	*MET*	1245-1256	*RET*	916-926

21 GENES 46 HOTSPOTS C_ACTG >1500 VARIANTS

Accurate and Sensitive Detection of Variants at Low Percent Mutation

Accuracy in DNA Isolated from FFPE Samples

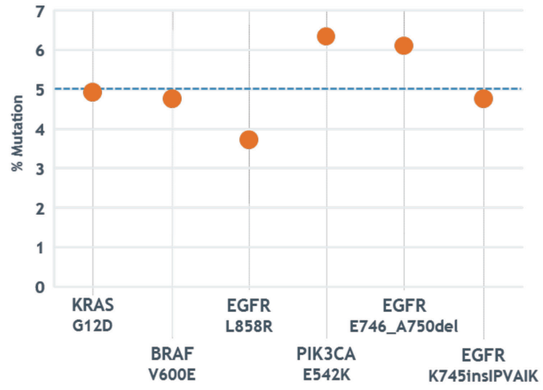
Comparator: Oncomine™ Focus Assay, Thermo Fisher Scientific

Variant Group	Agreement Type	Number of Calls	Accuracy
SNV	PPA[1]	77/81	95.06%
	NPA[2]	1/45133	99.99%
Indel	PPA[1]	4/4	100.00%
	NPA[2]	2/19236	99.99%
All	PPA[1]	81/85	95.29%
	NPA[2]	3/64369	99.99%

1 PPA = [(# Hotspot 21 true positive calls) ÷ (# Comparator Method positive calls)] * 100
2 NPA = [(# Hotspot 21 true negative calls) ÷ (# Comparator Method negative calls)] * 100

Near perfect concordance with reference method for detection of variant from clinical FFPE specimens.

Limit of Detection (95% Call Rate)



Low-level detection of SNVs and indels.