

OncoPrint Comprehensive Assay Plus

The all-in-one CGP research test for your laboratory, from one vendor, with results in as little as three days

The Ion Torrent™ OncoPrint™ Comprehensive Assay Plus, available on the Ion GeneStudio™ S5 System, offers a complete, end-to-end comprehensive genomic profiling (CGP) solution. The assay detects a broad range of genomic alterations including single-nucleotide variants (SNVs), insertions and deletions (indels), copy number variations (CNVs), and fusions from 517 genes.

Additionally, the assay detects genomic signatures, such as homologous recombination deficiency (HRD), tumor mutational burden (TMB), and microsatellite instability (MSI). Leveraging proven Ion Torrent™ technology, the OncoPrint Comprehensive Assay Plus delivers a complete, easy, fast, and robust solution to help you meet your laboratory research needs, even at varying levels of next-generation sequencing (NGS) expertise.

Features and benefits



Complete

1

end-to-end vendor

of sample-to-report solutions, including instruments, consumables, analysis, and support

Simplifies implementation into your lab, helping to support efficiency



Easy

90%

less hands-on time¹

compared to hybrid capture-based NGS assays, which require labor-intensive steps

Helps reduce handling errors, free up precious time, and reduce labor costs



Fast

3-day

CGP results

enabled by Ion Torrent technology and easy, automated workflows

Timely results are critical for important insights and decisions



Robust

~94%

success rate²

with sample input requirements of only 20 ng DNA/RNA

High success rates mean more samples can be tested with informative results

Comprehensive genomic profiling

517 genes
DNA and RNA

Genomic alterations

SNVs



Indels



CNVs



Fusions



Genomic signatures

HRD

TMB

MSI

References

¹ One hr hands-on time for the OncoPrint Comprehensive Assay Plus for library prep and sequencing compared to competitor literature stating 10.5 hr needed for manual workflow—current as of August 2024.

² Jantus-Lewintre, E., et al. (2023). Multicentric evaluation of amplicon-based next-generation sequencing solution for local comprehensive molecular tumor profiling. ESMO Poster 219P.

Learn more about the OncoPrint Comprehensive Assay Plus at thermofisher.com/oncoPrint-ocaplus

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