

SAPHYR CHIP® SPECIFICATIONS

Saphyr Chip®	Saphyr Chip® G2.2 (formerly Saphyr Chip® 2x1300) Part #20367	Saphyr Chip® G2.3 (formerly Saphyr Chip® 3x1300) Part #20366
Total Flowcells	2	3
Total Output per Flowcell	5 Tbp	5 Tbp
Total Output per Chip	10 Tbp	15 Tbp
Run Time for 5 Tbp Output	Average of 96 hrs*	Average of 96 hrs*
Typical Throughput for High Sensitivity SV Discovery (100x coverage)	320 Gbp per 8 hours per flowcell 2 flowcells complete in 8 hours	320 Gbp per 8 hours per flowcell 3 flowcells complete in 8 hours
Typical Throughput for 5% Low Allelic Fraction Cancer Analysis (400x coverage)	1300 Gbp per 24 hours per flowcell 2 flowcells complete in 24 hours	1300 Gbp per 24 hours per flowcell 3 flowcells complete in 24 hours
Shelf Life	1 year from date of manufacture	1 year from date of manufacture
Shipping and Storage Conditions	4° C	4° C

*Specifications based on Bionano NA12878 control sample prepared with Bionano Prep SP and DLS Kits
Output is for DNA molecules filtered for >150kbp length
The G2 Saphyr Chips® (formerly 'x1300' chips) are not supported on Saphyr System with 1st generation instrument with single cartridge module (Part #60239)



For more information about Saphyr Chips;
please contact info@bionanogenomics.com or visit www.bionanogenomics.com.

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