Application Availability (as of DRAGEN v4.3, June 2024)

	On-premises	Onboard		On-cloud	
	DRAGEN server	NovaSeq X Series	NextSeq 1000/2000	BaseSpace Sequence Hub	Illumina Connected Analytics
BCL Convert	✓	✓	✓	✓	Custom only
DRAGEN ORA Compression	✓	✓	✓		Custom only
DRAGEN FASTQC + MultiQC	✓	✓	✓	✓	✓
Whole Genome	Germline + Somatic	Germline + Somatic	Germline + Somatic	Germline + Somatic	Germline + Somatic
Enrichment (including Exome)	Germline + Somatic	Germline + Somatic	Germline + Somatic	Germline + Somatic	Germline + Somatic
DRAGEN Amplicon	✓		DNA only	✓	✓
RNA	✓	✓	✓	✓	✓
Single Cell RNA	✓		✓	✓	✓
NanoString GeoMx NGS			✓	✓	
Methylation	✓	✓		✓	✓
Metagenomics	✓*			✓	
RNA Pathogen Detection				✓	
COVID	COVIDSeq, COVID Lineage		Cloud only COVIDSeq	COVIDSeq, COVID Lineage	
TSO 500 Portfolio	✓			✓**	✓
Imputation	✓			✓	✓
ScATAC-Seq	✓			✓	✓
PGx Star Allele Caller	✓	Coming soon		✓	✓
Illumina Complete Long Reads				✓	
DRAGEN secondary analysis for RIPIP and UPIP	Beta			✓	Beta under server

*Metagenomics applications enabled by Kmer classifier, more tools coming soon
**ICA subscription required

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