

# IIGB Genomics Core NGS

Which Next Generation Sequencing (NGS) platform?

MiSeq



- One lane flow cell
- Lower yield
- Metagenomics
- Profile test (QC)

NextSeq 500



- One lane flow cell
- Medium yield
- WGS, RNASeq, CHIPSeq, small RNASeq, etc
- Small-to-medium projects

NextSeq 2000



- One lane flow cell
- Medium-to-high yield
- WGS, RNASeq
- Medium-to-large projects

	MiSeq		NextSeq 500		NextSeq 2000		
<b>Flow Cell</b>	v2	v3	Mid	High	P1	P2	P3
<b>Max Reads</b>	15 M	25 M	130 M	400 M	100 M	400 M	1200 M
<b>Output</b>	0.7-8.5Gb	3.8-15 Gb	20-29 Gb	30-120 Gb	30 Gb	40-120 Gb	60-360 Gb
<b>Read length</b>	2x250bp (more options)	2x300bp (more options)	2x150bp/ 1x150bp	2x150bp/ 1x75bp/ 2x75bp	See below	See below	See below

## New Services available by NextSeq 2000 @ Genomics Core

Kit	Reads	Max Data	Price	Kit	Reads	Max Data	Price
P1 100 cycles (50 PE or 100 SR)	100 M	10 Gb	\$1,161	P2 600 cycles (300 PE or 600 SR)	300 M	240 Gb	\$5,095
P1 300 cycles (150 PE or 300 SR)	100 M	30 Gb	\$1,838	P3 50 cycles (25 PE or 50 SR)	1.2 B	60 Gb	\$2,720
P1 600 cycles (300 PE or 600 SR)	100 M	60 Gb	\$2,451	P3 100 cycles (50 PE or 100 SR)	1.2 B	120 Gb	\$3,925
P2 100 cycles (50 PE or 100 SR)	400 M	40 Gb	\$1,785	P3 200 cycles (100 PE or 200 SR)	1.2 B	240 Gb	\$5,440
P2 200 cycles (100 PE or 200 SR)	400 M	80 Gb	\$3,350	P3 300 cycles (150 PE or 300 SR)	1.2 B	360 Gb	\$7,250
P2 300 cycles (150 PE or 300 SR)	400 M	120 Gb	\$4,450	<b>NOTE: The rates listed only for a reference. Please contact Genomics Core for approved 2023 rates.</b>			