

Single-Lane Sequencing



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Single-Lane Sequencing offers sequencing of ready to load pools on one or more single lanes of a 25B flow cell (NovaSeq™ X Plus). This is possible due to the technical option of lane loading. The advantages as well as the limitations of this product are shown in the following.

Advantages:

- ✗ suitable for pools that fit on one or several lanes of a 25B flow cell
- ✗ increased flexibility for project planning
- ✗ cost-efficient sequencing

Limitations:

- ✗ Illumina adapters are required for sequencing
- ✗ available for PE 150 sequencing
- ✗ no custom read primers spike in possible

The table below shows the generated output of a sequencing run with 2x150 bp on whole S2 and S4 flow cells and the corresponding number of lanes required on a 25B flow cell.

NovaSeq™ 6000 / Output	NovaSeq™ X Plus / Output
S2 flow cell 1000-1250 Gb	One 25B lane up to 1000 Gb
S4 flow cell 2400 -3000 Gb	Three 25B lanes up to 3000 Gb

We are happy to help you find the right solution.



Want to Discover More?

We invite you to take a look at our website.

www.cegat.com/ready-to-load-sequencing

