

# 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 2 x 150 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
<b>S2 flow cell</b> 1000-1250 Gb	<b>One 25B lane</b> up to 1000 Gb
<b>S4 flow cell</b> 2400-3000 Gb	<b>Three 25B lanes</b> up to 3000 Gb

We are happy to help you find the right solution.



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[www.cegat.com/ready-to-load-sequencing](http://www.cegat.com/ready-to-load-sequencing)

