

Description

The NovaSeq 6000 is a High throughput NGS sequencer using the same types of libraries as other Illumina sequencers. Sequencing (only PE150, \geq 400M reads) is outsourced to Novogene UK, Biomics manage user libraries up to data delivery.



Usage

Booking in your name and online (<u>https://www.pasteur.fr/ppms/login/?pf=13</u>)

- One sequencing format : PE 150 per 10 Gb step (eg. 400M reads = 120 Gb)
- (Strongly recommended) test your libraries with an ISeq100 run to validate clustering
- Processing in United Kingdom, Delay : 4 week from libraries sending (only Monday or Tuesday)

After PPMS booking, a Biomics member will contact you Library drop off only.

For Full service (Lib + Seq) from DNA or RNA samples*: contact <u>haifa.sghairi@novogene-europe.com</u> *Processed outside Europe, you are responsible for the legal authorizations (MOT, Human...)

Invoicing

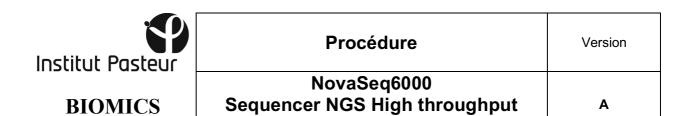
One hour of use is charged 90€ per 10 Gb of sequence regardless of the type of use. You will be automatically invoiced every 4 months after booking on PPMS.

Responsibles

Laurence Motreff, 8234, office 14.01.01 Marc Monot, 3458, office 14.00.04 Contact

<u>Biomics-NovaSeq@pasteur.fr</u>

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Novogene_Shipment Instruction (via PPMS)

<u>1-Samples preparation (library)</u>

- Library concentration : $\geq 0.5 \text{ ng/uL}$ (concentration quantified by Qubit \mathbb{R} 2.0)
- Insert size = sum of (insert eg. 350-500 bp + adapters eg. 120 bp)

Main peak present, no multiple peaks, no adapter contamination and no primer dimers.

- Library volume requirement (PE150 only, S4):

Data Amount	Volume Requirement*
< 20 G	$\geq 15 \mu L$
30G <x≤100g< td=""><td>$\geq 25 \ \mu L$</td></x≤100g<>	$\geq 25 \ \mu L$
100G < X<400G	$\geq 50 \ \mu L$
Lane sequence 750G	≥100ul (per lane, and add 10ul one more lane)

*High concentration samples should be diluted before delivery

2-Send to Biomics "Novogene Library Sample Information form"

(Excel file send by email after booking)

Complete

- Library information and preparation method
- Sample informations: species, library type, library name, index, concentration, volume, insert size

<u>3-Shipping instructions</u>

For library samples, Novogene recommends 1.5 ml or 2 ml DNase- and RNase-free microcentrifuge tubes. 96-well plates and PCR stripe tubes are NOT acceptable containers. **Please seal the opening of the tube with layers of Parafilm** and place the sample tubes in a container such as a 50-ml tube or a box with interior racks/holders.

Write on box or tube :

- Name and project number
- Type of samples (ex: 50 prepared DNA libraries samples, 1 pool 10 libraries)
- The date

The sample information on « the Sample Information Form » matches the labels on the tubes. Don't use any special caracters for sample name.

