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| <b>Procédure</b>                                     | Version  |
| <b>NovaSeq6000<br/>Sequencer NGS High throughput</b> | <b>A</b> |



**90 € / H / 10 Gb**  
 (minimum of 12h / 120 Gb)  
**Library drop off only**

## 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.

| System Specifications*  |   |  |
|---|---|--|
| <br><b>4800-6000 Gb</b><br><small>OUTPUT RANGE</small> | <br><b>32-40 B</b><br><small>READS PER RUN</small> | <br><b>2 x 250 bp</b><br><small>MAX READ LENGTH</small> |

## Usage

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

- 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 [haifa.sghairi@novogene-europe.com](mailto:haifa.sghairi@novogene-europe.com)

\*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

[Biomics-NovaSeq@pasteur.fr](mailto:Biomics-NovaSeq@pasteur.fr)



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## Novogene\_Shipment Instruction (via PPMS)

### 1-Samples preparation (library)

- Library concentration : **≥ 0.5 ng/uL** (concentration quantified by Qubit® 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             | ≥ 15µL   |
| 30G < X ≤ 100G     | ≥ 25 µL  |
| 100G < X < 400G    | ≥ 50 µL  |
| 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**

### 3-Shipping instructions

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 characters for sample name.**

