

NovaSeq X Plus Order Form

For libraries to be prepared by the BRF

**Contact Information**

|  |  |
| --- | --- |
| Date: |  |
| Customer name: |  |
| Customer address: |  |
| Phone (lab): |  |
| Phone (mobile): |  |
| Email address: |  |
| PI (or lab head) name: |  |
| PI (or lab head) email: |  |
| PI (or lab head) signature\*: |  |

\*By signing, you acknowledge and accept BRF charges, terms and conditions.

**Billing Information**

|  |  |
| --- | --- |
| ANU account code (ANU customers): |  |
| Non-ANU customers email address\*\*: |  |

\*\*A tax invoice will be emailed to the PI/lab head, unless alternative billing information is provided.

Phone: +61 2 6125 4326

Email: brf@anu.edu.au

Website: https://jcsmr.anu.edu.au/research/facilities/brf

The Australian National University

131 Garran Road (Level 2), Acton ACT 2601, Australia

**Data Output (please select your desired option)**

|  |  |
| --- | --- |
| ❑ | Analysis by the ABC (contact abc@anu.edu.au or 6125 1128 for a consultation) |
| ❑ | Purchase a 2 TB hard drive from the BRF ($210.00) |
| ❑ | Supply your own 2 TB hard drive\* |
| ❑ | BaseSpace Sequence Hub |

\*The amount of storage space required on the hard drive varies based on the flow cell used in the sequencing run. If supplying your own hard drive, please bring this hard drive to the BRF at the same time you submit your sample(s). It is your responsibility to keep a backup of your data even if it is being analysed by the ABC. All data must be checked by the customer within 2 weeks of receiving it. Any problems must be reported to the BRF within this time.

**Libraries and Sequencing Parameters**

The table below details flow cell types (1.5B, 10B and 25B) and their output in gigabases (Gb) or terabases (Tb) and single-end reads in billions (B) for a given read length.

|  |  |  |  |
| --- | --- | --- | --- |
|  | **1.5B** | **10B** | **25B** |
| **2 × 50 bp**  **(100 cycles)** | ~165 Gb | 1.6 B | ~1 Tb | 10 B | N/A |
| **2 × 100 bp**  **(200 cycles)** | ~330 Gb | 1.6 B | ~ 2 Tb | 10 B | N/A |
| **2 × 150 bp**  **(300 cycles)** | ~500 Gb | 1.6 B | ~3 Tb | 10 B | ~8 Tb |

Please choose your desired reagent kit and sequencing parameters below.

|  |  |
| --- | --- |
| Reagent kit: | e.g. 10B flow cell, 300 cycles |
| Sequencing parameters: | e.g. 150 bp paired-end, or 300 bp single-end |

Please describe the nature of your sample(s) below.

|  |  |
| --- | --- |
| Sample name(s): |  |
| Sample origin (species, tissue etc.): |  |
| Sample type (cells, RNA, DNA etc.) |  |
| Sample concentrations (nM, ng/µL): |  |

Where possible, we require a fragment analysis report for your samples, quantified on instruments such as the Agilent Bioanalyser or TapeStation (or similar). Please email a copy of your quantification results to the BRF email address, as well as a digital copy of this completed form.

After filling in this form, please print a copy and submit it to the BRF office with your sample(s) and hard drive if you are supplying one.