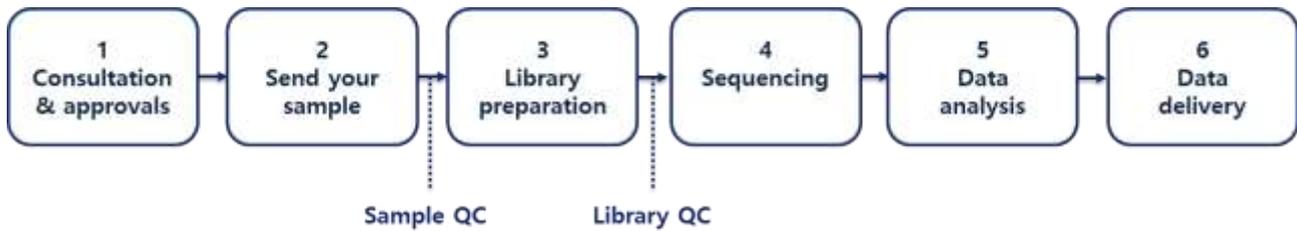


NGS workflow



1 Consultation and approvals

Please contact us for a free, no-obligations consultation with one of our representatives. You can get in touch through our website (www.macrogen-europe.com), by email (ngs@macrogen-europe.com) or by phone (+31 20 280 1847).

Based on your requirements we will send you a customized cost estimate for your approval, which contains all key deliverables and turnaround times. You'll also need to create a MacroGen Europe account [here](#), which enables you to track the progress of your projects.

2 Send your samples

For more information on how to send your samples to us, please refer to our [sample preparation and packing guidelines](#). Your representative will send you detailed instructions on where to send your package and how to label the package.

Upon arrival at MacroGen's labs, all DNA and RNA will undergo sample QC before starting library prep to make sure the quantity and quality of the starting material is high enough. Here you can find our [sample QC criteria \(DNA\)](#) and [sample QC criteria \(RNA\)](#).

If the QC result is **pass** we will inform you and proceed immediately; if the result is **hold** or **fail** we will contact you to discuss how to proceed.

3 Library preparation

We will prepare sequencing libraries using the agreed specifications and kits. After library prep we will carry out library QC to confirm the quality of the libraries using the Agilent Bioanalyzer. Here you can find our [library QC criteria \(DNA\)](#) and [library QC criteria \(RNA\)](#).

If you have placed a sequencing-only order and you have sent us fully-prepared 'ready-to-run' libraries, we will also carry out a library QC step.

In both cases, if the QC result is **pass** we will inform you and proceed immediately; if the result is **hold** or **fail** we will contact you to discuss how to proceed.

4 Sequencing

We will sequence the prepared libraries with the agreed specifications. For a full overview of our library prep/sequencing offering, please visit our [NGS services](#) page.

5 Data analysis

Our optional bioinformatics service includes a wide range of analyses and reports. To see which analyses are available for your samples, please go to our [NGS services](#) page. If you've chosen to include bioinformatics analyses we will start these analyses straight after the sequencing has finished.

6 Data delivery

We will send you the sequencing data, quality/quantity metrics, and (if applicable) analysis reports using the agreed method, which can be for example a portable hard drive or uploading to a commercial cloud provider. Upon completion we will also send you the invoice for the project.

If you have questions about any aspect of our service, please don't hesitate to [contact us](#).