

User Guide

Whole Plasmid Sequencing Service

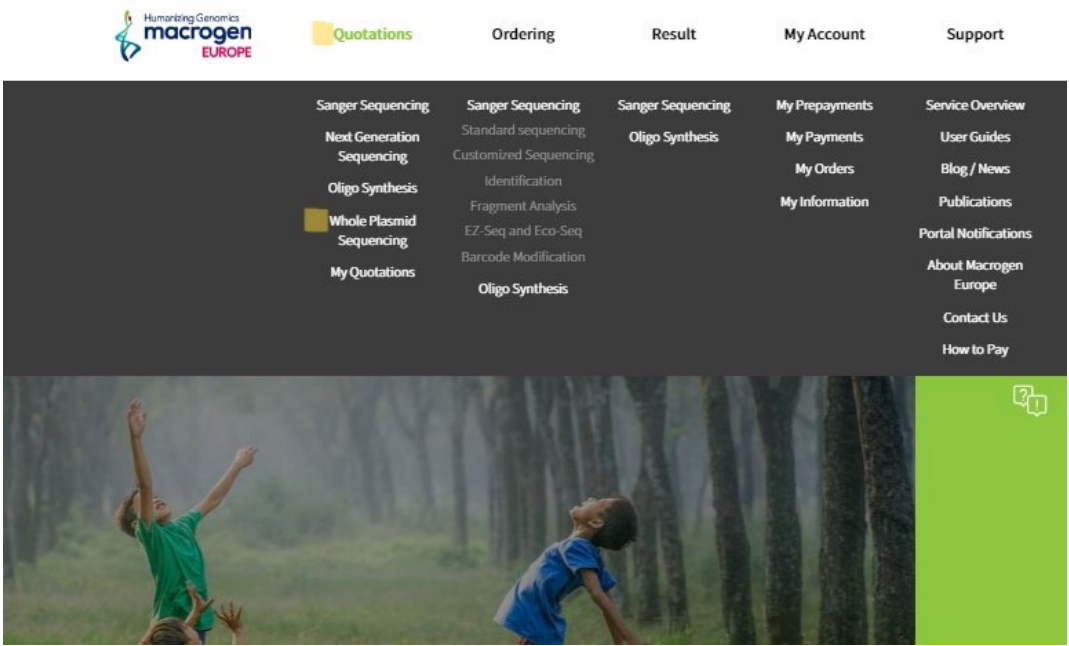
Ver_2.0

Whole plasmid sequencing service information

How to place an order:

- 1. Go to our website: <https://order.macrogen-europe.com/main.do>
- 2. Log in or create an account
- 3. Click on Quotations -> Whole Plasmid Sequencing.
- 4. Here you fill in your information and download an Excel file
- 5. Fill in all the information in the Excel file (please notice that there are two sheets). The same excel file can be used for more than one plasmid, just indicate the number of plasmids/tubes.

It is possible to order WPS labels, please contact our Account Managers at info@macrogen-europe.com with your request.



Whole Plasmid Sequencing Order Sheet									
CUSTOMER INFORMATION									
ID*									
Name & E-mail*									
SAMPLE INFORMATION									
Sample size* (vector + insert)	PLASMID								
	<input type="checkbox"/> ≤ 3 Kb	<input type="checkbox"/> ≤ 5 Kb	<input type="checkbox"/> ≤ 8 Kb	<input type="checkbox"/> ≤ 10 Kb					
	<input type="checkbox"/> ≤ 15 Kb	<input type="checkbox"/> ≤ 20 Kb	<input type="checkbox"/> ≤ 25 Kb	<input type="checkbox"/> ≤ 30 Kb					
Insert size:		<input type="text"/> bp							
Sample preparation*	<input type="text"/> Tubes								
	Concentration (Qubit)				Volume				
	<input checked="" type="checkbox"/> 50 ng/μL				≥10 μL				
For accurate DNA quantification, it is essential to use Qubit. Please note that spectrophotometric methods, including the Nanodrop, should not be used for DNA quantification as they are not reliable.									

#	Sample name*	Purity values*		File conc. (ng/μL)	Plasmid size (bp)*
1		260/280	260/230		
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Instructions for Sample preparation:

- Please prepare a minimum of 50ng/ul in at least 10ul per sample using Qubit preferably
- Please include the size of your samples.
- Purity as measured using Nanodrop – OD 260/280 of 1.8 and OD 260/230 of 2.0–2.2.
- Buffer: avoid having EDTA in your samples
- Tube type: We highly recommend using 1.5 ml Eppendorf DNA LoBind tubes, it is fine if you don't have it.

Plasmid size	Volume (µl)	Concentration	Purity (Ratio)	Buffer	Tube type
2.5 kb - 25 kb	> 10	50ng/µl	OD 260/280 of 1.8 OD 260/230 of 2.0-2.2	avoid EDTA	1.5ml Eppendorf DNA LoBind



Shipment:

- Plasmids can be shipped in the same way as other services (Ez-seq, Standard seq..). Either use your closest pick-up box or organize a shipment with your preferred courier (FedEx, DHL and UPS).

TAT:

- Plasmid analysis is conducted on Wednesdays and results can be expected on Friday. If plasmids are received on or after Wednesday, samples will be analyzed the following Wednesday.