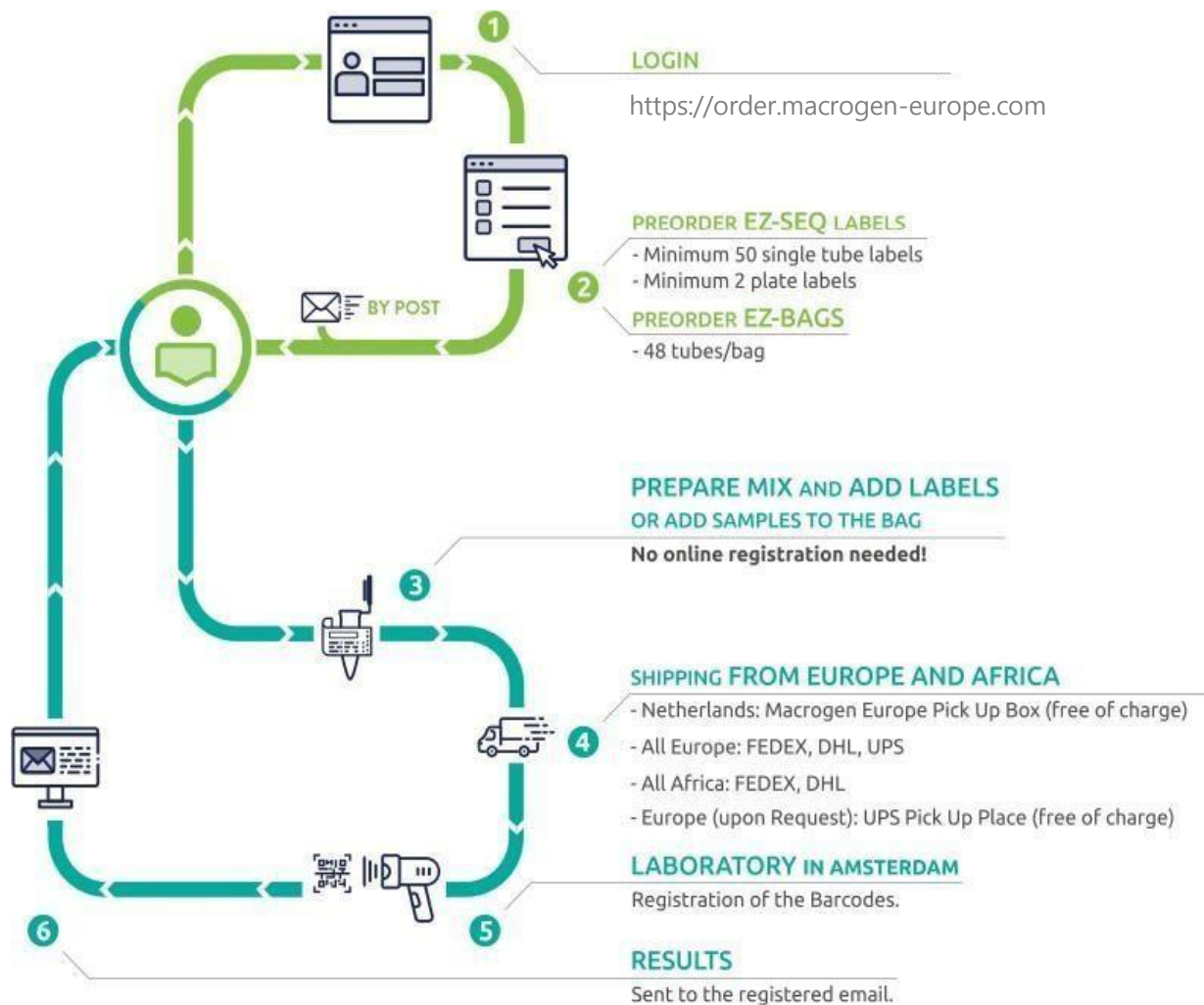




User Guide EZ-Seq

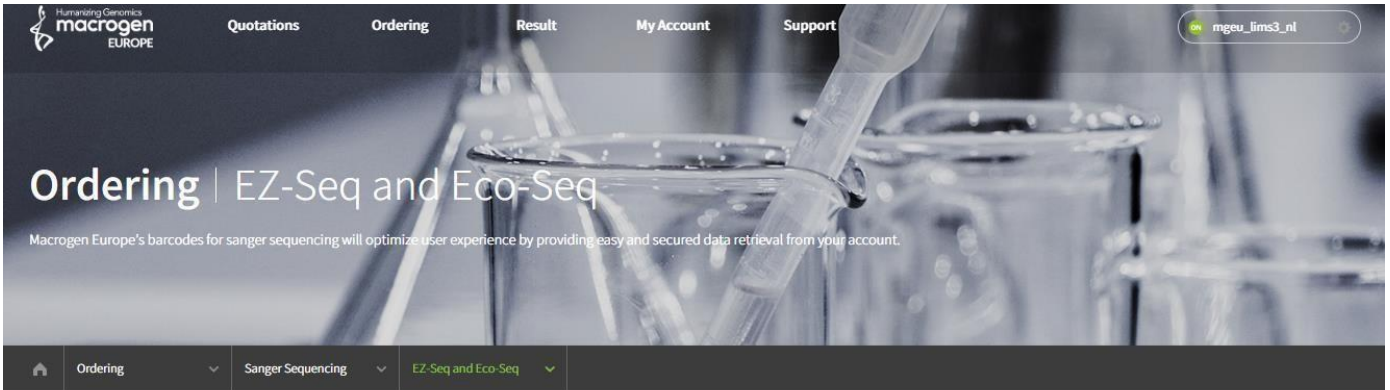
Ver_4.0



EZ-Seq is designed to bring ease and simplicity to your daily DNA sequencing workflow.

EZ-Seq is a prepaid barcoding service where you order barcodes online, receive them by courier, and use them for sequencing. EZ-Seq reduces the workload involved in order creation and invoicing, as you will receive a single invoice for all barcodes. All you need to do is mix the sample with the sequencing primer and ship the pre-mixed samples to our laboratory with the EZ-Seq barcode labels attached to each tube or plate. The EZ-Seq Single Direct service has a 24-hour turnaround time.

Ordering Instructions



EZ-Seq/Eco-Seq*

[Download Ez-Seq Guide](#)

[Download Eco-Seq Guide](#)

[Request Barcode](#)

[Invoice History](#)

[Barcode Usage History](#)

Printing shipping label from [UPS](#)

Select Prepayment Group

Barcode

NL barcode test(MGEU_Prof_NL)

- Go to order.macrogen-europe.com.
- Log in to your Macrogen account.
- Go to "Ordering" and click "EZ-seq and Eco-seq"


Barcode Information

* All fields are required

Barcode Type *


EZ-Seq **1**

Tube



EZ-Seq Single Direct (MOQ=50)
 EZ-Bag (MOQ=2)

Plate



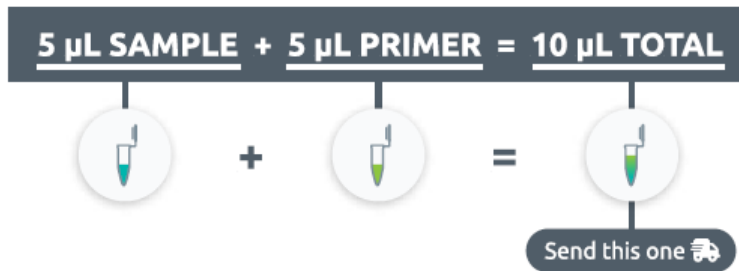
EZ-Seq Plate Direct Express (MOQ=2) **2**

1 In "Barcode Information" select "EZ-seq"

2 Select the sample type (tube or plate), Add the number of labels (Min. Tubes: 50 labels, Plate/EZ-Bag: 2 labels).

Sample Preparation

- Mix DNA sample and primer in each tube or well (total volume 10 μ l):



Sample and Primer Preparation Guide (for 1 reaction)

Template / Service		Sample Quantity	
PCR product Purified/ Unpurified	< 200 bp	3 ~ 5 ng/ul	
	200 ~ 600 bp	5 ~ 10 ng/ul	
	600 ~ 1000 bp	10 ~ 20 ng/ul	
	> 1000 bp	20 ~ 50 ng/ul	
Plasmid		100 ~ 150 ng/ul	

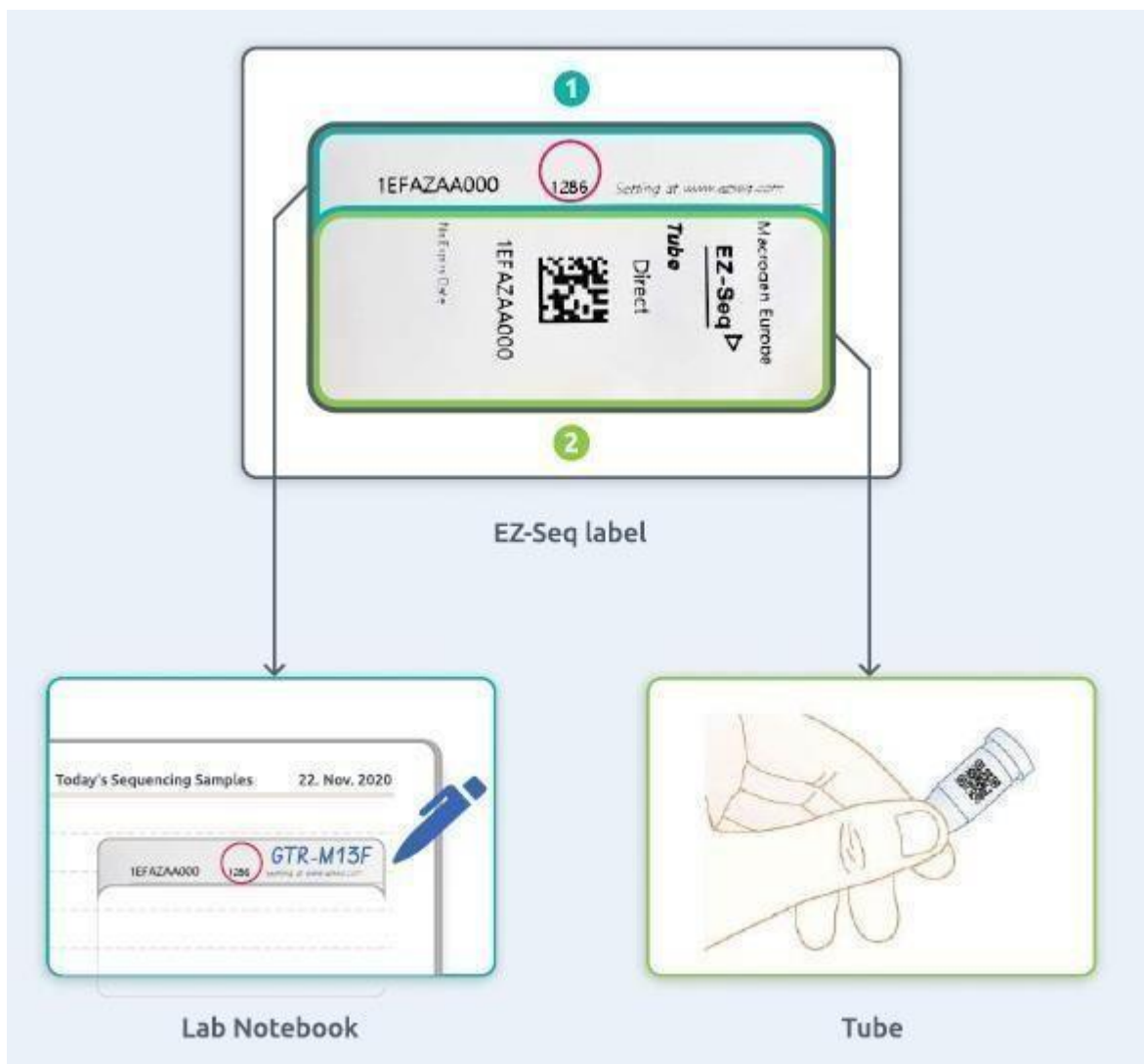
* If plasmids are longer, please increase concentration accordingly.

Primer Concentration

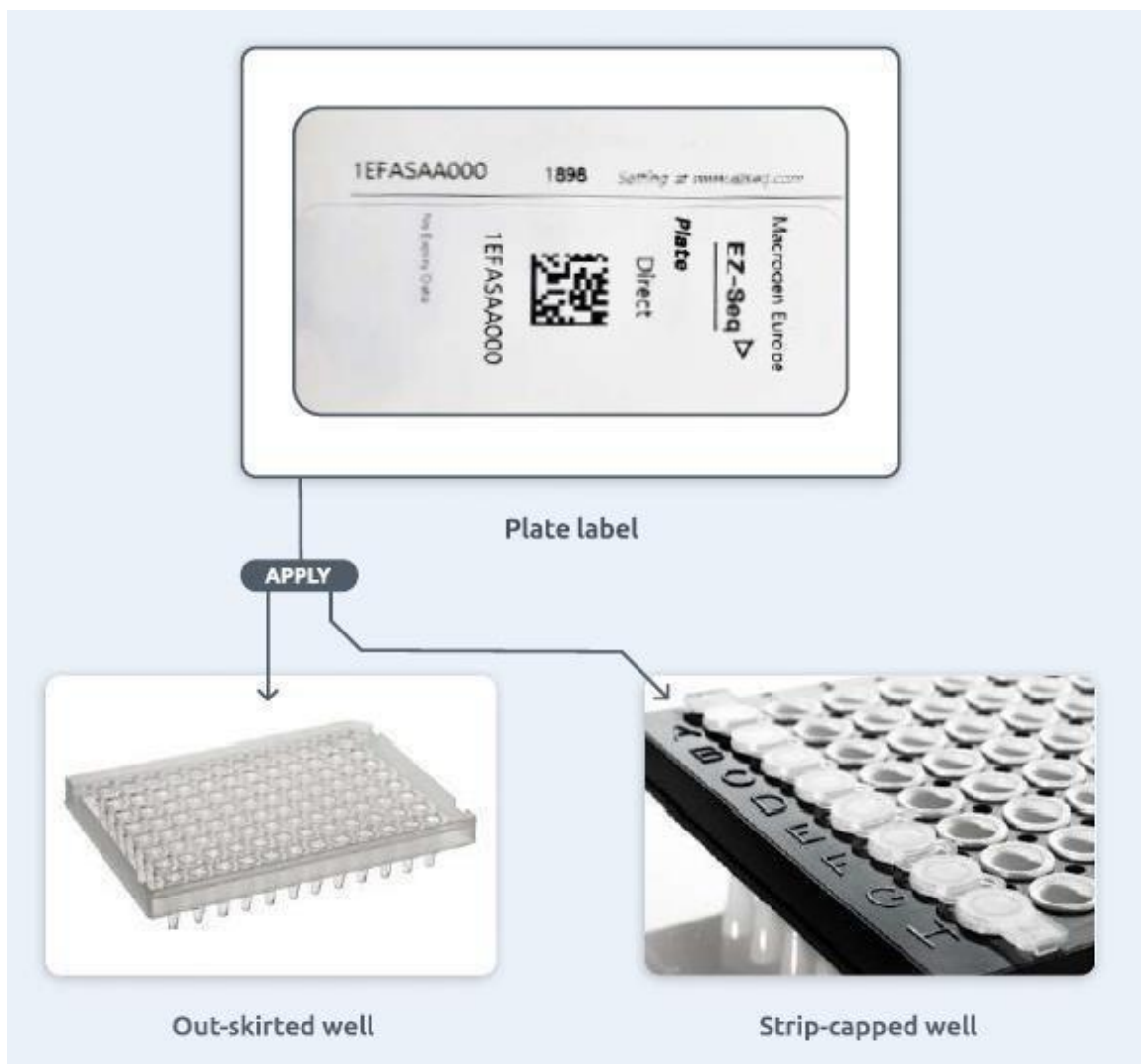
5~10 pmole/ μ L (=60ng/ μ L) in deionized water.

Sample Submission

- **For Tubes:** Use 1.5 mL microcentrifuge tubes (Please do not use 0.2 mL PCR tubes.)
- The EZ-Seq label consists of two parts, a small upper part **[1]** and a larger lower part **[2]** (check the figure below). Both parts share the same serial number. The smaller part also includes an additional 4-digit number, which can be used for label customization (see page 8: Label Customization)
- The small part should be placed in your laboratory notebook. **[1]**. The right side is intentionally left blank so you can freely write sample or primer names. If not needed, this part can be discarded.
- The larger part **[2]** should be attached to the body of the tube. Wrap it completely around the 1.5 mL tube, ensuring the barcode and number remain visible.
- Sample size below 500 bp? Please mark the label with an additional **RED dot**. (●).
- Do not prepare samples at excessively high concentrations. This helps us optimize the sequencing protocol.



- **For Plates:** Strongly recommended to use rigid-edge plates sealed with strip caps to prevent leakage during transit. Use bubble wrap for packaging. If needed, plates with strip caps can be ordered together with EZ-Seq plate labels.
- You will receive one label per plate. Please apply it to the top of the plate. Samples must be loaded vertically (A1, B1, C1, etc.).



- **For EZ-Bag:** A plastic bag with a barcode label that can contain up to 48 tubes (pay-per-bag model), more cost-effective than individual tubes.
- Attach the numbered labels provided on top of each tube (if individual tube identity is not required, these labels may be omitted). Ensure that 6 and 9 are clearly distinguishable (for example, by adding an underline 6 and 9). Use 1.5 mL tubes. Please write the total number of tubes in the designated white space on the label.



Label Customization

Labels Lot

When you receive individual labels, they belong to the same lot. Please do not mix tubes with labels from different lots in the same package. This may delay registration and therefore the turnaround time for results.

To customize the labels, all you need is the four-digit number located directly under the barcode number. This allows you to modify the result email address and the file name of each sequencing result.

- Go to <https://order.macrogen-europe.com/>
- Go to "Barcode Modification"
- Enter the label serial number and its four-digit password, below the EZ-seq label. ①
- Click "Login".
- Enter a new email address in the "Return email" field
- Add text in "Comment 1" or "Comment 2" to assign a name to each result file.

Home Ordering Sanger Sequencing Barcode Modification

My EZ-Seq/Eco-Seq

You can make payments and view your usage history for Ez-Seq and Eco-Seq Barcodes on [the ordering page](#).

You can change the recipient email address from what was provided at the time of order.

Changing the delivery email address will add a new recipient email address for results.

However, we can do this for you upon the confirmation from both parties.

If barcodes are not used, and Macrogen has not received payment for 2 years from the date of the invoice, the invoice and the barcodes will be automatically cancelled.

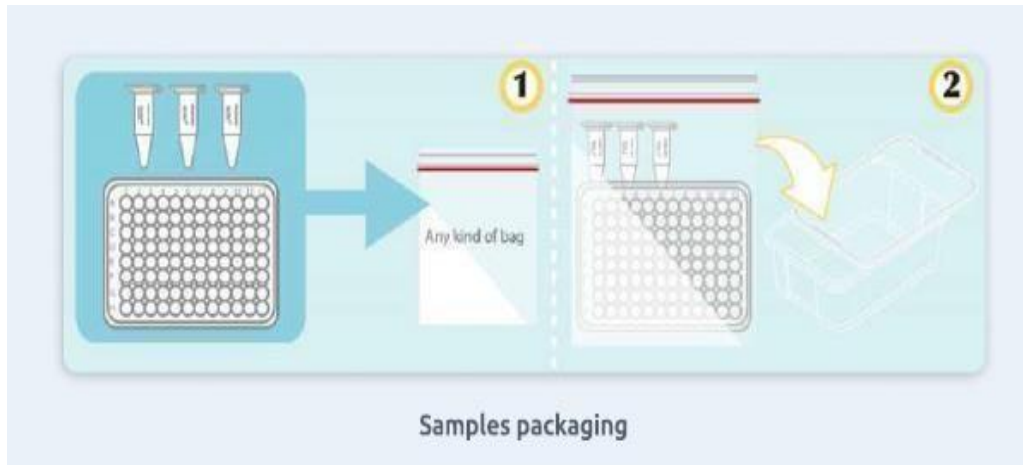
EZ-Seq Label Modification

Please enter the barcode number you want to use and the password for that barcode.

① -

Caution

Please do not mark "Medical Service" for shipping type on the airway bill.
Send samples at room temperature, no ice packs or coolants needed.



Invoice History and Payment Status

To view invoice history and payment status, visit: <https://order.macrogen-europe.com/>

Log in to your account and go to "Ordering" → "EZ-seq and Eco-seq" → click on "Invoice history" 1

Ordering ▾ Sanger Sequencing ▾ EZ-Seq and Eco-Seq ▾

EZ-Seq/Eco-Seq

Request Barcode Invoice History 1 Barcode Usage History

Invoice History

Barcode Select Prepayment Group ▾ Prepay Invoice Stat ▾ Payment Status ▾ Search

View 10 ▾ To Pay for the Selected Orders >

<input type="checkbox"/>	Paid Date	Category	Group Name	Invoice Number	Requested Date	Payment Due Date	Total Amount	Total Payment Amount	Barcode Type	Barcode Quantity	Tracking Number	Prepay Invoice Status	Payment Status
<input type="checkbox"/>		Barcode	Europe Barcode - Macrogen_ITA	EPI00016029 Details	12.05.2025	12.19.2025	€ 0.6	€ 0	Eco-Seq(Eco-Seq Single Direct)	50		Issue	Unpaid Payment

Barcode Usage History

To view the barcode usage history, visit our website <https://order.macrogen-europe.com/>

Log in to your account and go to "Ordering" → "EZ-Seq and Eco-Seq" → click on "Barcode usage History" 1

Ordering ▾ Sanger Sequencing ▾ EZ-Seq and Eco-Seq ▾

EZ-Seq/Eco-Seq

Request Barcode Invoice History Barcode Usage History 1

Prepayment Usage History

Barcode Select Prepayment Group ▾ Prepay Invoice Stat ▾ Payment Status ▾ Search

View 10 ▾ Total 190 Case Total ▾

Registered Date	Category	Group Name	Invoice Number	Paid Date	Comment	Used Amount	Barcode Quantity
11.27.2025	Barcode	Europe Barcode - Macrogen_ITA	ECI00150908	11.27.2025	EC00205486	€ -0.01	1
10.07.2025	Barcode	Europe Barcode - Macrogen_ITA	ECI00142385		Prepayment Accumulation from Cancel Payment of ECI00142385	€ 0.08	