

Eco-Seq User Guide

Eco-Seq

Eco-Seq is designed to use prepaid labels, but without the need to premix template and primer. Once placing an order via our online website, labels are delivered to you by courier service. Eco-seq is the most flexible and easiest barcode service for scientists who could make a short-cut workflow in preparation of samples. After receiving the labels, simply attach them on the tubes/plates, add template in the tube/wells and send to our lab for sequencing along with primer - template and primer premixing will be done in our lab.

1. Order the labels

- Go to dna.macrogen.com/eng
- Choose Eco-seq under Order menu with either tube or plate
- Put the number of labels (Min. Eco-Seq tube labels: 50 labels, Eco-Seq plate labels: 2 labels), and press Submit button.

2. Sample preparation

The following requirements are highly recommended to get a good result.

Sample Type	Product Size	Sample Conc.(ng/ul)	Sample Vol.(ul)
Purified PCR	>700bp	>50ng/ul	5-10ul
	300bp~700pb	25-50ng/ul	5-10ul
	<300bp	10-15ng/ul	5-10ul
Unpurified PCR	>700bp	>70ng/ul	>20ul
	300bp~700bp	50ng/ul	>20ul
	>700bp	20-25ng/ul	>20ul
Plasmid DNA	-	At least 100ng/ul	5-10ul

3. Primer preparation

- Primer concentration : 5~10 pmole/ul (=60ng/ul) in deionized water
- Primer volume : greater than 20 ul (Enough for 4-5 reactions)

4. Single tube label

- Barcode labels for DNA samples and round shaped labels for primers to be provided.
 - Attached the barcode label on the body of the 1.5ml tube containing DNA sample
 - Write down the abbreviated primer name on the round shaped labels (refer to primer name on the back side), and put it on top of the tubes containing the DNA sample.
- Barcode labels with small parts for your own records and large part for being attached on the tube.

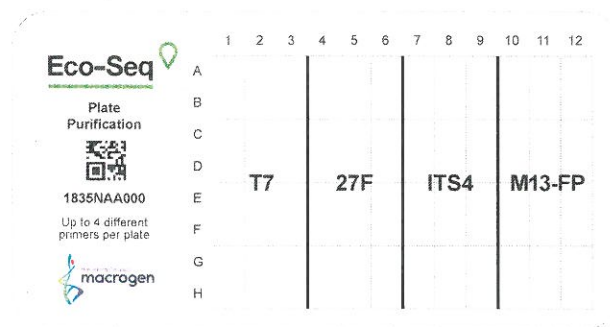
- ✓ Free universal primers are provided.
- ✓ Customized primers should be sent in separated tubes as guided above.



5. 96-well plate label

- The following grid of barcode labels to be delivered. Up to 4 different primers can be applied per plate.

- Indicate regions of primers who correspond to samples in each of well in grid of barcode vertically or horizontally.
- Write down the abbreviated primer name in each region.



6. Shipping information

Send your samples to our sequencing facility in Amsterdam. You may use our daily pick up box if it is available nearby, or use our free courier account numbers (FEDEX:3528-6870-1, UPS:63AE22) Using our account for free shipment applies only in the case when you have more than 30 sequencing reactions in one package.

Cautious

Please do not mark "Medical Service" for shipping type on airwaybill.