

User Guide

Sanger Sequencing

- **Standard Sequencing**
- **1 primer/1 plate**
- **Multiple primer/1 plate**

Ver_4.0

How to Use the "Copy" Function

[6 / 6] Filtered Row : 6 Add + | Delete -
Count:6

No.	Sample Name*	Primer*
1	1	785F
2	2	
3	3	
4	4	
5	5	
6	6	

① Copy

- **When:** You want to fill specific (selected) **rows with a single value**
- **How:** Select the rows you want to fill with a single value. One row must already contain the value you want to copy. Right-click and select "Copy". The value will fill the selected rows.

[6 / 6] Filtered Row : 6 Add + | Delete -

No.	Sample Name*	Primer*
1	1	785F
2	2	
3	3	
4	4	
5	5	
6	6	

① Copy Entire Rows

- **When:** You want to fill **entire rows with a single value.**
- **How:** Select the row containing the value you want to copy, right-click and select "Copy Entire Rows". The value will fill the entire rows.

[6 / 6] Filtered Row : 6 Add + | Delete -

No.	Sample Name*	Primer*
1	1	907R
2	2	907R
3	3	Bluescript_SK
4	4	Bluescript_SK
5	5	Bluescript_SK
6	6	Bluescript_SK

① Copia Entire Rows Below

- **When:** You want to fill **specific rows (from the selected row to the end) with a single value.**
- **How:** Select the row containing the value you want to copy, right-click and select "Copy Entire Rows Below". The value will fill the rows below.

Please follow the recommended values to obtain high-quality results. Samples and primers must be prepared separately.

Sample Preparation

Sample and Primer Preparation Guide (for 1 reaction)

Template / Service		Sample Quantity		Primer Quantity
PCR product Purified/Unpurified	< 200 bp	3 ~ 5 ng/ul	Minimum 10ul +5ul per reaction	Minimum 10ul +5ul per reaction * 5 ~ 10pmole/ul Primer TM : 50 ~ 58°C
	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		
Gel extraction		50 ~ 100 ng/ul	> 30 ul	

* if your samples do not meet the recommended concentration, we cannot guarantee high-quality results

Primer Preparation

-Concentration:

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

-Volume:

At least 2 μL per reaction NOT per sample. (for example. For 20 reactions, 40 μL)

- High purity
- Correct Concentration
- No secondary priming sites
- No mismatches
- Length 18-25 bases.
- GC% between 40% and 60%.
- Tm (melting temperature) between 55°C and 60°C
- No significant hairpins (>3bp)
- Free of salts, EDTA, or other contaminant

Please provide primers at a concentration of 10 pmole/μl =60 ng/μl in deionized water with a volume greater than 20 μl.

Customer-supplied primers must be desalted or purified. Universal primers are available free of charge. Please refer to the universal primer list on pages 29–30.

For Tubes

- Use 1.5 mL microcentrifuge tubes. Do not use 0.2 mL PCR tubes. Please write the sample number on the lid of each tube.
- In the "Reaction Information" section, name samples as S_# (S for sample name and # for sample number), or alternatively write the sample name directly on the tube. If more than one primer is added to the same sample, keep the same sample name and change only the primer name in "Reaction Information". In this case, only one tube containing the sample is required

For Plates

- Strip-capped and out-skirted plates are strongly recommended to prevent sample leakage.
- Samples must be loaded vertically (A1–B1, etc.). Fill all wells corresponding to the required reactions and name them using the sample name (S) and sample number (#): S_#.
- Empty wells should be named Empty_# (Sample number).
- Please wrap plates with bubble wrap.



Reaction Information



Sample Tube
(One tube for two or more reactions)



out-skirted well



strip-capped well

Standard-seq 1 primer/1 plate

	1	2	3	4	5	6	7	8	9	10	11	12	
A	S_1	S_9	S_17	S_25	S_33	S_41	S_49	S_57	S_65	S_73	S_81	S_89	A
B	S_2	S_10	S_18	S_26	S_34	S_42	S_50	S_58	S_66	S_74	S_82	S_90	B
C	S_3	S_11	S_19	S_27	S_35	S_43	S_51	S_59	S_67	S_75	S_83	S_91	C
D	S_4	S_12	S_20	S_28	S_36	S_44	S_52	S_60	S_68	S_76	S_84	S_92	D
E	S_5	S_13	S_21	S_29	S_37	S_45	S_53	S_61	S_69	S_77	S_85	S_93	E
F	S_6	S_14	S_22	S_30	S_38	S_46	S_54	S_62	S_70	S_78	S_86	S_94	F
G	S_7	S_15	S_23	S_31	S_39	S_47	S_55	S_63	S_71	S_79	S_87	S_95	G
H	S_8	S_16	S_24	S_32	S_40	S_48	S_56	S_64	S_72	S_80	S_88	S_96	H

Standard-seq 1 primer/1 plate



Standard-seq Multi primer (Max6)

	1	2	3	4	5	6	7	8	9	10	11	12	
A	S_1	S_9	S_17	S_25	S_33	S_41	S_49	S_57	S_65	S_73	S_81	S_89	A
B	S_2	S_10	S_18	S_26	S_34	S_42	S_50	S_58	S_66	S_74	S_82	S_90	B
C	S_3	S_11	S_19	S_27	S_35	S_43	S_51	S_59	S_67	S_75	S_83	S_91	C
D	S_4	S_12	S_20	S_28	S_36	S_44	S_52	S_60	S_68	S_76	S_84	S_92	D
E	S_5	S_13	S_21	S_29	S_37	S_45	S_53	S_61	S_69	S_77	S_85	S_93	E
F	S_6	S_14	S_22	S_30	S_38	S_46	S_54	S_62	S_70	S_78	S_86	S_94	F
G	S_7	S_15	S_23	S_31	S_39	S_47	S_55	S_63	S_71	S_79	S_87	S_95	G
H	S_8	S_16	S_24	S_32	S_40	S_48	S_56	S_64	S_72	S_80	S_88	S_96	H

Standard-seq Multiple primer (Max 6)



Standard Sequencing

STEP 1 Basic Info > STEP 2 Reaction Info > STEP 3 Sample Info > STEP 4 Primer Condition > STEP 5 Billing Info > STEP 6 Complete

STEP 1 Enter Basic Information. (* All fields are required)

1	Sample Type *	<input type="text" value="PCR Product"/>
2	Add. Service	<input type="text" value="Purification"/>
3	Product Size(bp) *	<input type="radio"/> Over 600bp <input checked="" type="radio"/> Less 600bp
4	Tube Type *	<input checked="" type="radio"/> Tube <input type="radio"/> 96 Well Plate

- ① **Sample Type:** Select the sample type from the options:
 - **Plasmid**
 - **PCR Product**
 - **Premix:** place plasmid or PCR product together with primer in one tube
- ② **Additional Service Required:** Select an additional service if needed.
 - **Purification:** Purification applies to unpurified PCR products.
- ③ **Product Size (bp):** Select the size of your product. This affects the experimental settings.
- ④ **Tube Type:** Select the tube type if samples are placed in tubes or 96-well plates.

To place an order, please visit <https://order.macrogen-europe.com/main.do>.

After logging in with your credentials, follow these steps:

- **Ordering**
- **Standard sequencing**
- Select the **required service**

If you do not have an account, you can create one by clicking **"Sign up"** on the website.

Data Entry Modes

You can enter sequencing information in two ways: **step-by-step via the website** (Option 1), or by **downloading and uploading a pre-filled Excel file** (Option 2).

Option 1: Fill in the Information on the Website

With this method, sample information is entered step-by-step on the website.

- ① **Sample name:** indicate the name of the sample
- ② **Primer:** indicate the name of the primer

STEP 2 Enter Reaction Information. (* All fields are required)

Order Instructions 🔍

Excel Temp. 🗄️

Ord. Sheet Upload

[1 / 1] Filtered Row: 1

#	Sample Name*	Primer*
1		

Add + | Delete -

Universal/Stored Primers: Universal or stored primers can be selected by clicking the button. The complete list is available on **pages 29–30**.

Primer input

Primer Selection 🗄️ Universal Primer Stored Primer

Please **[double click]** the primer.

[12 / 88] Filtered Row: 88

Primer	Length
785F	18
907R	20
Bluescript_SK	20
EBV-RP	20
KAN2-FP	25
KAN2-RP	25
M13-FP	18
pBacPAC-RP	19
pBAD-FP	20
pDONOR-FP	19
pEGFP_N	17

* M13F & M13R: Universal primer located about 90 to 100 bp from the closing site of the TA (Blunt) vector.
* For synthesized primer, Standard storage policy is 3 months.

③ **Next:** click "Next" to proceed to the next section

- ④ **Concentration:** Enter the sample concentration
- ⑤ **Next:** click on "Next" to proceed to the next section

STEP 3 Enter Sample Information. (* All fields are required)

Order Instructions

[1/1] Filtered Row: 1

#	Sample Name*	Rxn. Cnt.*	Conc.(ng/ul)	Plate Name	Well	Product Size(bp)*	Target Size(bp)
1	SI	1				Less 600bp	

Previous
Next 5

STEP 4 Enter Primer Condition. (* All fields are required)

Order Instructions Primer Type

[2/2] Filtered Row: 2

#	Primer*	Type*	Sequence	Conc.(pmol/ul)	Required vol(ul)	Sequencing Primer (Y / N)	PCR Primers (Y / N)
1	P1_F			0	3.0	Y	N
2	P1_R			0	3.0	Y	N

Universal
 Enclosed
 Synthesis
 Stored

Previous
Next 8

⑥ Select the primer type:

- **Universal:** Universal primers available at Macrogen
- **Enclosed:** Primers sent with the samples. Concentration must be specified.
- **Synthesis:** If you need us to synthesize your primers

If you choose to synthesize the primers, it will require 3-4 additional working days. Keep track of the shipping times and be sure to choose the Regular Standard Sequencing Option when placing the order.

- **Stored:** Primers used in previous orders. The name must match exactly

⑦ Primer concentration must be entered only for included primers.

⑧ Next

Option 2: Use of the Excel File (Recommended for Bulk Reactions)

With this method, all order information (reaction information, sample information, and primer information) can be entered using a single Excel file.

- 1 **Excel download:** Download the Excel file.

STEP 2 Enter Reaction Information. (* All fields are required)

Order Instructions

Excel Temp.

1 Sheet Upload

- 2 **Insert the data:** Fill in the required information:

- Sample name.
- Primer name.
- Sample Concentration (ng/ul).
- Plate name (only for 1 primer/ 1 plate o multi-primer/ 1 plate).
- Well position (only for 1 primer/ 1 plate o multi-primer/ 1 plate).
- Product size (bp).
- Target size (bp).
- Primer Sequence (5' to 3').
- Primer Concentration (pmol/ul).

2

* Only English Alphabet (either capital small letters), digit 0-9, a hyphen (-) or under bar (_) is allowed.									
Reaction Information		Sample Information					Primer Information		
#	Sample Name *	Primer Name *	Sample Concentration (ng/ul)	Plate Name	Well Position	Product Size(bp)	Target Size(bp)	Primer Sequence(5 to 3)	Primer Concentration (pmol/ul)
1									
2									
3									
4									
5									
6									
7									
8									
9									

- 3 **Excel Upload:** Upload it directly into the system

STEP 2 Enter Reaction Information. (* All fields are required)

Order Instructions

Excel Temp.

Ord. Sheet Upload 3

Bidirectional sequencing

#	Reaction Information	
	Sample Name *	Primer Name *
1	A	1_F
2	A	1_R
3	B	2_F
4	B	2_R

Unidirectional sequencing

#	Reaction Information	
	Sample Name *	Primer Name *
1	A	1_F
2	B	2_F
3	C	3_F
6	D	4_F

Bidirectional sequencing: Enter the sample name twice and one primer set (forward and reverse).

Unidirectional sequencing: Enter the sample name once and the primer name

STEP 2 Enter Reaction Information. (* All fields are required)

Order Instructions Q

Excel Temp. ?

[1/1] Filtered Row: 1

#	Sample Name*
1	

Excel Temp.

- You must use the Excel template provided by Macrogen.
- File size should not exceed 3MB.
- Reaction information cannot be entered more than 1,000 reactions.
* If total Reactions exceed 1000, please register multiple orders.

Upload Excel

Once the Excel file is uploaded, all sample information will be **automatically** populated in the relevant steps.

Primer selection: In "Step 4 – Enter Primer Condition", specify the primer type as in Option 1 (Universal, Included, Synthesis, or Stored).

STEP 4 Enter Primer Condition. (* All fields are required)

Order Instructions Q Primer Type ?

[2/2] Filtered Row: 2

#	Primer*	Type*	Sequence	Conc.(pmol/ul)	Required vol(ul)	Sequencing Primer (Y / N)	PCR Primers (Y / N)
1	P1_F	▼		0	3.0	Y	N
2	P1_R	▼		0	3.0	Y	N

Universal
 Enclosed
 Synthesis
 Stored

STEP 5 Enter Billing information. (*) Required field

BLAST Service *	<input type="radio"/> Yes <input checked="" type="radio"/> No 1 This is a service that searches for a sequence that is highly similar to the sequence of DNA obtained in The Basic Local Alignment Search Tool and NCBI database. We will provide you with data files retrieved from NCBI and no analysis services will be provided.
Storage Period *	<input checked="" type="radio"/> Immediate Disposal <input type="radio"/> 1 Month <input type="radio"/> 3 Month 2 If immediate disposal is selected, additional orders and re-sequencing cannot be ordered as the sample is immediately discarded after the primary experiment.
Ordered by *	<input type="text" value="Gildong Hong"/>
Actual Orderer Contact	<input type="text" value="01012341234"/>
Primary E-mail	<input type="text" value="moonkun86@macrogen.com"/>
Additional E-mail for Result *	<input type="text" value="moonkun86@macrogen.com"/>
Comment	<input type="text"/>
Institution for Billing	<input type="text" value="Macrogen Korea"/> <input type="button" value="Find"/>
Mobile Number *	<input type="text" value="01012341234"/>
Country *	<input type="text" value="Korea (the Republic of)"/>
Billing Address *	<input type="text" value="254, Beotkkot-ro, Geumcheon-gu, Seoul, Republic of Korea"/> <input type="text" value="11th floor, 1111"/> <input type="text" value="Geumcheon-gu"/> <input type="text" value="Seoul"/> <input type="text" value="08511"/>
PO Number	<input type="text"/>
ATTN	<input type="text" value="Macrogen"/>
Coupon	<input type="text" value="Choose"/> <input type="button" value="Apply"/>
Promotion Code	<input type="text" value="Please Enter."/> <input type="button" value="Promotion Code Apply"/>
Request on payment	<input type="text"/>

① Enter all billing information, select the **options for BLAST Service** and **Storage Period**, and click **[Submit]**.

If "Immediate Disposal" is selected, no further orders or sequencing can be performed, as the sample will be discarded immediately after the main experiment.



Your order has been placed **successfully**.

Order Number | **EC00000579**

Please double check your order information then send your samples accordingly.

Print your order barcode to send Amsterdam laboratory.

DHL

Fedex

UPS

Print Order Barcode

- * Click DHL/FedEx/UPS Invoice button to download shipping documents.
- * Print all shipping documents and call DHL/FedEx/UPS to pick up your samples.
- * You will be notified of the status of your order by email.
- * For other inquiries, please use [[Support > Contact us](#)].

* You can check the order number and obtain your [[DHL/FedEx/UPS commercial invoice](#)].
Please **print the barcode** order and send it together with the samples.

STEP 6 Order Confirmation (* In the [Order completed] step, you cannot modify it.)

Order Information

Order Number	EC00000579	Customer Name	nl test
Service	Standard Sequencing	Sample Type	Plasmid
Tube Type	96 Well Plate	Run Type	Regular

Order History

Sample History	Rxn.	1	Sample	1
	Number of additional service sample	0	DNA Extraction	0
	Primer Synth.	0	PCR Amplification	0
Primer History	Universal	0	Enclosed	1
	Synthesis	0	Stored	0

* Finally, you can **review the order information**

1 primer / 1 plate

STEP 1

Basic Info

STEP 2

Plate Info

STEP 3

Primer Condition

STEP 4

Billing Info

STEP 5

Complete

STEP 1 Enter Basic Information. (* All fields are required)

1	Sample Type *	<input type="text" value="PCR Product"/>
2	Add. Service	<input type="text" value="Purification"/>
3	Product Size(bp) *	<input type="radio"/> Over 600bp <input checked="" type="radio"/> Less 600bp
4	Tube Type *	<input type="radio"/> Tube <input checked="" type="radio"/> 96 Well Plate

Next

5

- ① **Sample Type:** Select the type of sample (**Plasmid/PCR product**)
- ② **Additional Service:** Select an additional service if needed.
 - **Purification:** Purification applies to unpurified PCR products
- ③ **Product Size (bp):** Select the size of your product. This affects the experimental settings
- ④ **Type of Tube:** **[96-wells plate]** Selected Automatically
- ⑤ **Next**

1 primer/1 plate

STEP 2 Enter Plate Info. (* All fields are required)

Order Instructions

Plate1 Plate Add +

[2/2] Filtered Row: 2 Delete - | Plate Map Confirmation

Plate Name*	Reaction*	Direction*	Forward & Reverse	Primer*	Start Position*	End Position*	Primer Name*	Initialization
P1	192 RXN	Vertical	For	Primer1				
			Rev	Primer1				

For Reaction of 96Rxn, a maximum of 1 primer is available.

* If you modified the Start Position(well positions), please click the duplicate **[primer check]** button again.

- ① **Name of the Plate:** Insert the name of the plate
- ② **Reaction:** Select the number of reactions **[96 Rxn (Unidirectional Sequencing)]**
[192 Rxn (Bidirectional Sequencing)]
- ③ **Plate direction:** Choose between **[Horizontal]**, **[Vertical]**
- ④⑤ **Start-End:** Click on the column **Start position** to visualize the page **[Enter well position]**. Select the initial well (es: A1), press **ctrl** and select the final well (es: H12). Once you click on input, starting and ending positions will be filled automatically.

Enter well position

After selecting the start point, **press and hold the [Ctrl] key** and click the end point.

	1	2	3	4	5	6	7	8	9	10	11	12
A	○	○	○	○	○	○	○	○	○	○	○	○
B	○	○	○	○	○	○	○	○	○	○	○	○
C	○	○	○	○	○	○	○	○	○	○	○	○
D	○	○	○	○	○	○	○	○	○	○	○	○
E	○	○	○	○	○	○	○	○	○	○	○	○
F	○	○	○	○	○	○	○	○	○	○	○	○
G	○	○	○	○	○	○	○	○	○	○	○	○
H	○	○	○	○	○	○	○	○	○	○	○	○

Input

Primer name: Insert the name of the primer. Click on the lens if you need to use our universal primers available at Macrogen (complete list: pages 29-30) o stored primers

Primer input

Primer Selection Universal Primer Stored Primer

Please **[double click]** the primer.

[12 / 88] Filtered Row: 88

Primer	Length
785F	18
907R	20
Bluescript_SK	20
EBV-RP	20
KAN2-FP	25
KAN2-RP	25
M13-FP	18
pBacPAC-RP	19
pBAD-FP	20
pDONOR-FP	19
pEGFP_N	17

* M13F & M13R : Universal primer located about 90 to 100 bp from the closing site of the TA (Blunt) vector.
* For synthesized primer, Standard storage policy is 3 months.

1 primer/1 plate

STEP 2 Enter Plate Info. (* All fields are required)

Order Instructions [Q](#)

Plate1

[2/2] Filtered Row: 2

Delete — | Plate Map Confirmation Plate Add +

Plate Name*	Reaction*	Direction*	Forward & Reverse	Primer*	Start Position*	End Position*	Primer Name*	Initialization
plate1	192 RXN	Vertical	For	Primer1	A01	H12	P1_F	
plate1	192 RXN	Vertical	Rev	Primer1	A01	H12	P1_R	

For Reaction of 96Rxn, a maximum of 1 primer is available.

* If you modified the Start Position(well positions), please click the duplicate [primer check] button again.

Confirm plate map: Once you have provided all the details, click on **Plate map confirmation**.

Save & Plate View

Sample Information

[2/96] Filtered Row: 96

#	Plate Name	Well	Sample Name*	Conc.(ng/ul)	Product Size(bp)(bp)
1	plate1	A01	plate1_A01	0	Less 600bp
2	plate1	B01	plate1_B01	0	Less 600bp
3	plate1	C01	plate1_C01	0	Less 600bp
4	plate1	D01	plate1_D01	0	Less 600bp
5	plate1	E01	plate1_E01	0	Less 600bp

Reaction Information

[10/192] Filtered Row: 192

#	Plate Name	Well	Sample Name	Primer
1	plate1	A01	plate1_A01	P1_F
2	plate1	B01	plate1_B01	P1_F
3	plate1	C01	plate1_C01	P1_F
4	plate1	D01	plate1_D01	P1_F
5	plate1	E01	plate1_E01	P1_F
6	plate1	F01	plate1_F01	P1_F
7	plate1	G01	plate1_G01	P1_F
8	plate1	H01	plate1_H01	P1_F
9	plate1	A02	plate1_A02	P1_F
10	plate1	B02	plate1_B02	P1_F

Save & Plate View

Specify the concentration of the primers and click on **Save & Plate View**. You will be able to visualize the plate layout (Sample and Primer name) per well (See below). **Close the plate layout and continue.**

-96 RXN

	1	2	3	4	5	6	7	8	9	10	11	12
A	plate1_A01 P1_F	plate1_B01 P1_F	plate1_C01 P1_F	plate1_D01 P1_F	plate1_E01 P1_F	plate1_F01 P1_F	plate1_G01 P1_F	plate1_H01 P1_F	plate1_I01 P1_F	plate1_J01 P1_F	plate1_K01 P1_F	plate1_L01 P1_F
B	plate1_B02 P1_F	plate1_C02 P1_F	plate1_D02 P1_F	plate1_E02 P1_F	plate1_F02 P1_F	plate1_G02 P1_F	plate1_H02 P1_F	plate1_I02 P1_F	plate1_J02 P1_F	plate1_K02 P1_F	plate1_L02 P1_F	plate1_M02 P1_F
C	plate1_C03 P1_F	plate1_D03 P1_F	plate1_E03 P1_F	plate1_F03 P1_F	plate1_G03 P1_F	plate1_H03 P1_F	plate1_I03 P1_F	plate1_J03 P1_F	plate1_K03 P1_F	plate1_L03 P1_F	plate1_M03 P1_F	plate1_N03 P1_F
D	plate1_D04 P1_F	plate1_E04 P1_F	plate1_F04 P1_F	plate1_G04 P1_F	plate1_H04 P1_F	plate1_I04 P1_F	plate1_J04 P1_F	plate1_K04 P1_F	plate1_L04 P1_F	plate1_M04 P1_F	plate1_N04 P1_F	plate1_O04 P1_F
E	plate1_E05 P1_F	plate1_F05 P1_F	plate1_G05 P1_F	plate1_H05 P1_F	plate1_I05 P1_F	plate1_J05 P1_F	plate1_K05 P1_F	plate1_L05 P1_F	plate1_M05 P1_F	plate1_N05 P1_F	plate1_O05 P1_F	plate1_P05 P1_F
F	plate1_F06 P1_F	plate1_G06 P1_F	plate1_H06 P1_F	plate1_I06 P1_F	plate1_J06 P1_F	plate1_K06 P1_F	plate1_L06 P1_F	plate1_M06 P1_F	plate1_N06 P1_F	plate1_O06 P1_F	plate1_P06 P1_F	plate1_Q06 P1_F
G	plate1_G07 P1_F	plate1_H07 P1_F	plate1_I07 P1_F	plate1_J07 P1_F	plate1_K07 P1_F	plate1_L07 P1_F	plate1_M07 P1_F	plate1_N07 P1_F	plate1_O07 P1_F	plate1_P07 P1_F	plate1_Q07 P1_F	plate1_R07 P1_F
H	plate1_H08 P1_F	plate1_I08 P1_F	plate1_J08 P1_F	plate1_K08 P1_F	plate1_L08 P1_F	plate1_M08 P1_F	plate1_N08 P1_F	plate1_O08 P1_F	plate1_P08 P1_F	plate1_Q08 P1_F	plate1_R08 P1_F	plate1_S08 P1_F

-192 RXN

	1	2	3	4	5	6	7	8	9	10	11	12
A	plate1_A01 P1_F	plate1_B01 P1_F	plate1_C01 P1_F	plate1_D01 P1_F	plate1_E01 P1_F	plate1_F01 P1_F	plate1_G01 P1_F	plate1_H01 P1_F	plate1_I01 P1_F	plate1_J01 P1_F	plate1_K01 P1_F	plate1_L01 P1_F
B	plate1_B02 P1_F	plate1_C02 P1_F	plate1_D02 P1_F	plate1_E02 P1_F	plate1_F02 P1_F	plate1_G02 P1_F	plate1_H02 P1_F	plate1_I02 P1_F	plate1_J02 P1_F	plate1_K02 P1_F	plate1_L02 P1_F	plate1_M02 P1_F
C	plate1_C03 P1_F	plate1_D03 P1_F	plate1_E03 P1_F	plate1_F03 P1_F	plate1_G03 P1_F	plate1_H03 P1_F	plate1_I03 P1_F	plate1_J03 P1_F	plate1_K03 P1_F	plate1_L03 P1_F	plate1_M03 P1_F	plate1_N03 P1_F
D	plate1_D04 P1_F	plate1_E04 P1_F	plate1_F04 P1_F	plate1_G04 P1_F	plate1_H04 P1_F	plate1_I04 P1_F	plate1_J04 P1_F	plate1_K04 P1_F	plate1_L04 P1_F	plate1_M04 P1_F	plate1_N04 P1_F	plate1_O04 P1_F
E	plate1_E05 P1_F	plate1_F05 P1_F	plate1_G05 P1_F	plate1_H05 P1_F	plate1_I05 P1_F	plate1_J05 P1_F	plate1_K05 P1_F	plate1_L05 P1_F	plate1_M05 P1_F	plate1_N05 P1_F	plate1_O05 P1_F	plate1_P05 P1_F
F	plate1_F06 P1_F	plate1_G06 P1_F	plate1_H06 P1_F	plate1_I06 P1_F	plate1_J06 P1_F	plate1_K06 P1_F	plate1_L06 P1_F	plate1_M06 P1_F	plate1_N06 P1_F	plate1_O06 P1_F	plate1_P06 P1_F	plate1_Q06 P1_F
G	plate1_G07 P1_F	plate1_H07 P1_F	plate1_I07 P1_F	plate1_J07 P1_F	plate1_K07 P1_F	plate1_L07 P1_F	plate1_M07 P1_F	plate1_N07 P1_F	plate1_O07 P1_F	plate1_P07 P1_F	plate1_Q07 P1_F	plate1_R07 P1_F
H	plate1_H08 P1_F	plate1_I08 P1_F	plate1_J08 P1_F	plate1_K08 P1_F	plate1_L08 P1_F	plate1_M08 P1_F	plate1_N08 P1_F	plate1_O08 P1_F	plate1_P08 P1_F	plate1_Q08 P1_F	plate1_R08 P1_F	plate1_S08 P1_F

*You do not need to insert the sample names. They will be automatically generated from their corresponding position in the plate.

1 primer/1 plate

STEP 3 Enter Primer Condition. (* All fields are required)

Order Instructions Primer Type

1

[2 / 2] Filtered Row : 2

#	Primer*	Type*	Sequence	Conc.(pmol/ul)	Sequencing Primer (Y / N)	PCR Primers (Y / N)	Required vol(ul)*
1	P1_F	<input type="text"/>			Y	N	288
2	P1_R	<input type="text"/>			Y	N	288

Universal

Enclosed

Synthesis

Stored

① Primer type: Select the primer type. **You can choose only 1.**

- **Universal:** Universal primers available at Macrogen

- **Enclosed:** Primer sent with the samples.

Concentration must be specified.

- **Synthesis:** If you need us to synthesize your primers

If you choose to synthesize the primers, it will require 3-4 additional working days. Keep track of the shipping times and be sure to choose the Regular Standard Sequencing Option when placing the order.

- **Stored:** Primers used in previous orders.

The name must match exactly

If the plate is not correctly placed, empty wells will be added automatically, and the reaction will be deleted right after the experiment.

1 primer/1 plate

STEP 5 Enter Billing information. (* Required field)

BLAST Service *	<input type="radio"/> Yes <input checked="" type="radio"/> No i This is a service that searches for a sequence that is highly similar to the sequence of DNA obtained in The Basic Local Alignment Search Tool and NCBI database. We will provide you with data files retrieved from NCBI and no analysis services will be provided.
Storage Period *	<input checked="" type="radio"/> Immediate Disposal <input type="radio"/> 1 Month <input type="radio"/> 3 Month i If immediate disposal is selected, additional orders and re-sequencing cannot be ordered as the sample is immediately discarded after the primary experiment.
Ordered by *	<input type="text" value="Gildong Hong"/>
Actual Orderer Contact	<input type="text" value="01012341234"/>
Primary E-mail	moonkun86@macrogen.com
Additional E-mail for Result *	<input type="text" value="moonkun86@macrogen.com"/>
Comment	<input type="text"/>
Institution for Billing	<input type="text" value="Macrogen Korea"/> <input type="button" value="Find"/>
Mobile Number *	<input type="text" value="01012341234"/>
Country *	<input type="text" value="Korea (the Republic of)"/>
Billing Address *	<input type="text" value="254, Beotkkot-ro, Geumcheon-gu, Seoul, Republic of Korea"/> <input type="text" value="11th floor, 1111"/> <input type="text" value="Geumcheon-gu"/> <input type="text" value="Seoul"/> <input type="text" value="08511"/>
PO Number	<input type="text"/>
ATTN	<input type="text" value="Macrogen"/>
Coupon	<input type="text" value="Choose"/> <input type="button" value="Apply"/>
Promotion Code	<input type="text" value="Please Enter."/> <input type="button" value="Promotion Code Apply"/>
Request on payment	<input type="text"/>

i Enter all billing information, select the **options for BLAST Service** and **Storage Period**, and click **[Submit]**.

If "Immediate Disposal" is selected, no further orders or sequencing can be performed, as the sample will be discarded immediately after the main experiment.

1 primer/1 plate



Your order has been placed **successfully**.

Order Number | **EC00000579**

Please double check your order information then send your samples accordingly.

Print your order barcode to send Amsterdam laboratory.

DHL

Fedex

UPS

Print Order Barcode

* Click DHL/FedEx/UPS Invoice button to download shipping documents.

* Print all shipping documents and call DHL/FedEx/UPS to pick up your samples.

* You will be notified of the status of your order by email.

* For other inquiries, please use [[Support > Contact us](#)].

* You can check the order number and obtain your [[DHL/FedEx/UPS commercial invoice](#)].

Please **print the barcode** order and send it together with the samples.

STEP 6 Order Confirmation (* In the [Order completed] step, you cannot modify it.)

Order Information

Order Number	EC00000579	Customer Name	nl test
Service	Standard Sequencing	Sample Type	Plasmid
Tube Type	96 Well Plate	Run Type	Regular

Order History

Sample History	Rxn.	1	Sample	1
	Number of additional service sample	0	DNA Extraction	0
	Primer Synth.	0	PCR Amplification	0
Primer History	Universal	0	Enclosed	1
	Synthesis	0	Stored	0

* Finally, you can **review the order information**

If your sample is placed only between A1~H6 or A7~H12, please select the service 1 primer/Half plate.

STEP 1 Enter Basic Information. (* All fields are required)

1	Sample Type *	<input type="text" value="PCR Product"/>
2	Add. Service	<input type="text" value="Purification"/>
3	Product Size(bp) *	<input type="radio"/> Over 600bp <input checked="" type="radio"/> Less 600bp
4	Tube Type *	<input type="radio"/> Tube <input checked="" type="radio"/> 96 Well Plate

Next

5

- ① **Sample Type:** Select the type of sample (**Plasmid/PCR product**)
- ② **Additional Service:** Select an additional service if needed.
 - **Purification:** Purification applies to unpurified PCR products
- ③ **Product Size (bp):** Select the size of your product. This affects the experimental settings.
- ④ **Type of Tube: [96-wells plate]** Selected Automatically.
- ⑤ **Next**

* You do not need to insert the sample names. They will be automatically generated from their corresponding position in the plate.

STEP 2 Enter Plate Info. (* All fields are required)

Order Instructions

Excel Temp.

[Ord. Sheet](#) [Upload](#)

Plate1

Plate Add

Delete | Plate Map Confirmation

[1 / 1] Filtered Row: 1

Plate Name*	Reaction*	Direction*	Forward & Reverse	Primer*	Start Position*	End Position*	Primer Name*	Initialization
		Vertical						

For Reaction at 96Rxn, a maximum of 6 primers are available.

* If you modified the Start Position(well positions), please click the duplicate **[primer check]** button again.

[Previous](#)

[Next](#)

- ① You can place your order for multiple primer /1 plate with two modalities:
 - 1) **Place your order step-by-step on the web page of our website.**
 - 2) **Inserting all the details of your order on our Excel file (click on [Ord. Sheet])**

*** Please check all the details on the following page to provide correctly all the information about your order on our web page or on the Excel file.**

- * Per each order, you can place a maximum of 4 plates
For more than 4 plates, please place separate orders.
- * We recommend inserting samples in all the plate.
- * Max 6 primers per plate

Option 1 – Fill the information step-by-step on our website

Plate1 Plate Add +

[6 / 6] Filtered Row : 6 Delete – | Plate Map Confirmation

Plate Name*	Reaction*	Direction*	Forward & Reverse	Primer*	Start Position*	End Position*	Primer Name*	Initialization
			For	Primer1	A01	C07	P1_F	Q ✖
			For	Primer2	C08	G12	P2_F	Q ✖
Plate1	96 RXN	Horizontal	For	Primer3	H01	H12	P3_F	Q ✖
			For	Primer4				Q ✖
			For	Primer5				Q ✖
			For	Primer6				Q ✖

For Reaction at 96Rxn, a maximum of 6 primers are available.

* If you modified the Start Position(well positions), please click the duplicate **[primer check]** button again.

- ① **Name of the Plate:** Insert the name of the plate
- ② **Reaction:** Select the number of reactions **[96 Rxn (Unidirectional Sequencing)]**
[192 Rxn (Bidirectional Sequencing)]
- ③ **Plate direction:** Choose between **[Horizontal], [Vertical]**
- ④ **Start-End:** Click on the column **Start position** to visualize the page **[Enter well position]**. Select the initial well (es: A1), press **ctrl** and select the final well (es: H12). Once you click on input, starting and ending positions will be filled automatically
- ⑤ **Primer name:** Insert the primer name if you selected the one out **[Enclosed], [Stored], [Synthesis]**. In the case of **[universal primers]**, click on the lens and select the desired primer from the new pop-up page (complete primer list: pages 29-30). The name will be automatically filled by the system

STEP 2 Enter Plate. (* This is a required entry.)

Excel File Upload

Upload

Plate1

※ Reaction Type이 96Rxn의 경우 최대 6개의 프라이머를 사용할 수 있습니다.

[6 / 6] Filtered Row : 6

Plate Name*	Reaction*	Direction*	Primer*
			Primer1
			Primer2
Plate1	96 RXN	Horizontal	Primer3
			Primer4
			Primer5
			Primer6

※ If you modified the well positions, please click the duplicate primer

Primer Type* Sequencing Conc.(ng/ul) Reset

Primer Duplicate Check

Previous Next

4 enter well position

Alter selecting the start point, **press and hold the [Ctrl] key** and click the end point.

	1	2	3	4	5	6	7	8	9	10	11	12
A	○	○	○	○	○	○	○	○	○	○	○	○
B	○	○	○	○	○	○	○	○	○	○	○	○
C	○	○	○	○	○	○	○	○	○	○	○	○
D	○	○	○	○	○	○	○	○	○	○	○	○
E	○	○	○	○	○	○	○	○	○	○	○	○
F	○	○	○	○	○	○	○	○	○	○	○	○
G	○	○	○	○	○	○	○	○	○	○	○	○
H	○	○	○	○	○	○	○	○	○	○	○	○

Input

Multiple primer/1 plate

Confirm plate map: Once you have provided all the details, click on **Plate map confirmation**.

Save & Plate View

Sample Information

[5 / 96] Filtered Row: 96

#	Plate Name	Well	Sample Name	Conc.(ng/ul)	Product Size(bp)
1	Plate1	A01	Plate1_A01	0	Less 600bp
2	Plate1	A02	Plate1_A02	0	Less 600bp
3	Plate1	A03	Plate1_A03	0	Less 600bp
4	Plate1	A04	Plate1_A04	0	Less 600bp
5	Plate1	A05	Plate1_A05	0	Less 600bp

Reaction Information

[10 / 96] Filtered Row: 96

#	Plate Name	Well	Sample Name	Primer
1	Plate1	A01	Plate1_A01	P1_F
2	Plate1	A02	Plate1_A02	P1_F
3	Plate1	A03	Plate1_A03	P1_F
4	Plate1	A04	Plate1_A04	P1_F
5	Plate1	A05	Plate1_A05	P1_F
6	Plate1	A06	Plate1_A06	P1_F
7	Plate1	A07	Plate1_A07	P1_F
8	Plate1	A08	Plate1_A08	P1_F
9	Plate1	A09	Plate1_A09	P1_F
10	Plate1	A10	Plate1_A10	P1_F

Save & Plate View

Specify the concentration of the primers and click on **Save & Plate View**. You will be able to visualize the plate layout (Sample and Primer name) per well (See below). **Close the plate layout and continue.**

Sample Information

- 96 RXN

	1	2	3	4	5	6	7	8	9	10	11	12
A	Plate1_A01 P1_F	Plate1_A02 P1_F	Plate1_A03 P1_F	Plate1_A04 P1_F	Plate1_A05 P1_F	Plate1_A06 P1_F	Plate1_A07 P1_F	Plate1_A08 P1_F	Plate1_A09 P1_F	Plate1_A10 P1_F	Plate1_A11 P1_F	Plate1_A12 P1_F
B	Plate1_B01 P1_F	Plate1_B02 P1_F	Plate1_B03 P1_F	Plate1_B04 P1_F	Plate1_B05 P1_F	Plate1_B06 P1_F	Plate1_B07 P1_F	Plate1_B08 P1_F	Plate1_B09 P1_F	Plate1_B10 P1_F	Plate1_B11 P1_F	Plate1_B12 P1_F
C	Plate1_C01 P1_F	Plate1_C02 P1_F	Plate1_C03 P1_F	Plate1_C04 P1_F	Plate1_C05 P1_F	Plate1_C06 P1_F	Plate1_C07 P1_F	Plate1_C08 P2_F	Plate1_C09 P2_F	Plate1_C10 P2_F	Plate1_C11 P2_F	Plate1_C12 P2_F
D	Plate1_D01 P2_F	Plate1_D02 P2_F	Plate1_D03 P2_F	Plate1_D04 P2_F	Plate1_D05 P2_F	Plate1_D06 P2_F	Plate1_D07 P2_F	Plate1_D08 P2_F	Plate1_D09 P2_F	Plate1_D10 P2_F	Plate1_D11 P2_F	Plate1_D12 P2_F
E	Plate1_E01 P2_F	Plate1_E02 P2_F	Plate1_E03 P2_F	Plate1_E04 P2_F	Plate1_E05 P2_F	Plate1_E06 P2_F	Plate1_E07 P2_F	Plate1_E08 P2_F	Plate1_E09 P2_F	Plate1_E10 P2_F	Plate1_E11 P2_F	Plate1_E12 P2_F
F	Plate1_F01 P2_F	Plate1_F02 P2_F	Plate1_F03 P2_F	Plate1_F04 P2_F	Plate1_F05 P2_F	Plate1_F06 P2_F	Plate1_F07 P2_F	Plate1_F08 P2_F	Plate1_F09 P2_F	Plate1_F10 P2_F	Plate1_F11 P2_F	Plate1_F12 P2_F
G	Plate1_G01 P2_F	Plate1_G02 P2_F	Plate1_G03 P2_F	Plate1_G04 P2_F	Plate1_G05 P2_F	Plate1_G06 P2_F	Plate1_G07 P2_F	Plate1_G08 P2_F	Plate1_G09 P2_F	Plate1_G10 P2_F	Plate1_G11 P2_F	Plate1_G12 P2_F
H	Plate1_H01 P3_F	Plate1_H02 P3_F	Plate1_H03 P3_F	Plate1_H04 P3_F	Plate1_H05 P3_F	Plate1_H06 P3_F	Plate1_H07 P3_F	Plate1_H08 P3_F	Plate1_H09 P3_F	Plate1_H10 P3_F	Plate1_H11 P3_F	Plate1_H12 P3_F

* You do not need to insert the sample names. They will be automatically generated from their corresponding position in the plate.

STEP 3 Enter Primer Condition. (* All fields are required)

Order Instructions Primer Type

[3 / 3] Filtered Row: 3

#	Primer*	Type*	Sequence	Conc.(pmol/ul)	Sequencing Primer (Y / N)	PCR Primers (Y / N)	Required vol(ul)*
1	P1_F	<input type="text"/>			Y	N	93
2	P2_F				Y	N	159
3	P3_F	<ul style="list-style-type: none"> Universal Enclosed Synthesis Stored 			Y	N	36

Previous

Next

6 **Type of Primer** Select your primer type:

- **Universale:** Universal primers available at Macrogen
- **Enclosed:** Primer sent with the samples. Concentration must be specified
- **Synthesis:** If you need us to synthesize your primers

If you choose to synthesize the primers, it will require 3-4 additional working days. Keep track of the shipping times and be sure to choose the Regular Standard Sequencing Option when placing the order.

-**Stored:** Primers used in previous orders. The name must match exactly

7 **Sequence:** Insert the sequence if you have selected the **[Synthesis]** option.

8 **Conc:** Insert the concentration if you have selected the **[Enclosed]**

9 **Next:** Click on **[Next]**.

Option 2 – Excel file

1	Plate No	1
2	Plate Name	Plate1
3	Reaction Type	96Rxn
	Plate Layout	Horizontal

※ Primer Name 컬럼의 경우는 Universal 프라이머만 보여집니다. "동봉/제작 프라이머"의 경우 프라이머명을 직접 입력하세요.

Primers	Start Position	End Position	Primer Name	Primer Type	Sequence (5' To 3')	Conc(pmol/ul)
Primer 1	4 A1	5 F1	6 785F	7 universal	8	9
Primer 2	F2	G1	907R	Universal		
Primer 3	G2	H12	M13-FP	Universal		
Primer 4						
Primer 5						
Primer 6						

	1	2	3	4	5	6	7	8	9	10	11	12
A	785F	785F	785F	785F	785F	785F	785F	785F	785F	785F	785F	785F
B	785F	785F	785F	785F	785F	785F	785F	785F	785F	785F	785F	785F
C	785F	785F	785F	785F	785F	785F	785F	785F	785F	785F	785F	785F
D	785F	785F	785F	785F	785F	785F	785F	785F	785F	785F	785F	785F
E	785F	785F	785F	785F	785F	785F	785F	785F	785F	785F	785F	785F
F	785F	907R	907R	907R	907R	907R	907R	907R	907R	907R	907R	907R
G	907R	M13-FP	M13-FP	M13-FP	M13-FP	M13-FP	M13-FP	M13-FP	M13-FP	M13-FP	M13-FP	M13-FP
H	M13-FP	M13-FP	M13-FP	M13-FP	M13-FP	M13-FP	M13-FP	M13-FP	M13-FP	M13-FP	M13-FP	M13-FP

- ① **Name of the Plate:** Insert the name of the plate
- ② **Reaction type:** Select the number of reactions [**96 Rxn (Unidirectional Sequencing)**] [**192 Rxn (Bidirectional Sequencing)**]
- ③ **Plate direction:** Choose between [**Horizontal**], [**Vertical**]
- ④, ⑤ Check start and end position. The name of the primer will be automatically filled per each well.
- ⑥ **Primer name:** Insert the name of the primer if you choose the one among the [**Enclosed**], [**Stored**], [**Synthesis**] options. Select primer universal in the case of [**Universal**].
- ⑦ **Primer type:** Select your primer type
 - **Universal:** Universal primers available at Macrogen
 - **Enclosed:** If you are sending your primers together with your samples in the same package. Indicate the concentration of the primer.
 - **Synthesis:** If you need us to synthesize your primers
 - **Stored:** Primers used in previous orders. The name must match exactly
- ⑧ **Sequence:** Insert the sequence of the primer if you have selected the [**Synthesis**] option.
- ⑨ **Conc.:** Insert the concentration if you have selected the [**Enclosed**] option

Multiple primer/1 plate

STEP 2 Enter Plate Info. (* All fields are required)

Order Instructions

Excel Temp.

Ord. Sheet

Upload ¹

Plate1

Plate Add

Delete | Plate Map Confirmation

[1 / 1] Filtered Row : 1

Plate Name *	Reaction *	Direction *	Forward & Reverse	Primer *	Start Position *	End Position *	Primer Name *	Initialization
		Vertical						

For Reaction at 96Rxn, a maximum of 6 primers are available.

* If you modified the Start Position(well positions), please click the duplicate **[primer check]** button again.

1 Upload: Upload the Excel file with the order information.

STEP 2 Enter Plate Info. (* All fields are required)

Order Instructions

Excel Temp.

Plate1

[1 / 1] Filtered Row : 1

Plate Name *	Reaction *	Direction *	Forward & Reverse
		Vertical	

For Reaction at 96Rxn, a maximum of 6 primers are available.

* If you modified the Start Position(well positions), please click the duplicate **[primer check]** button again.

Macrogen Europe Order System - Google Chrome

order.macrogen-europe.com/ces/order/retrieveCesOrdRegPlateUploadPopup.do

Excel Temp.

- * You must use the Excel template provided by Macrogen.
- * File size should not exceed 3MB.

Upload Excel

Previous

Next

Multiple primer/1 plate

STEP 2 Enter Plate Info. (* All fields are required)

Order Instructions

Excel Temp.

Ord. Sheet

Upload

Plate1

Plate Add +

Delete - | Plate Map Confirmation

[6 / 6] Filtered Row : 6

Plate Name*	Reaction*	Direction*	Forward & Reverse	Primer*	Start Position*	End Position*	Primer Name*	Initialization
Plate1	96 RXN	Horizontal	For	Primer1	A01	F01	785F	✖
			For	Primer2	F02	G01	907R	✖
			For	Primer3	G02	H12	M13-FP	✖
			For	Primer4				✖
			For	Primer5				✖
			For	Primer6				✖

For Reaction at 96Rxn, a maximum of 6 primers are available.

* If you modified the Start Position(well positions), please click the duplicate **[primer check]** button again.

Previous

Next

Plate info: Please check that all the details were placed correctly. Proceed by clicking on **[Next]**

STEP 3 Enter Primer Condition. (* All fields are required)

Order Instructions Primer Type

[3 / 3] Filtered Row : 3

#	Primer*	Type*	Sequence	Conc.(pmol/ul)	Sequencing Primer (Y / N)	PCR Primers (Y / N)	Required vol(ul)*
1	785F	Universal	GGATTAGATACCTG---		Y	N	183
2	907R	Universal	CCGTC AATCMTTTR---		Y	N	36
3	M13-FP	Universal	TGTAAACGACGGCC---		Y	N	69

Previous

Next

Primer Condition: Please check the details about the primers and click on **[Next]**.

Multiple primer/1 plate

STEP 5 Enter Billing information. (* Required field)

BLAST Service *	<input type="radio"/> Yes <input checked="" type="radio"/> No 1 This is a service that searches for a sequence that is highly similar to the sequence of DNA obtained in The Basic Local Alignment Search Tool and NCBI database. We will provide you with data files retrieved from NCBI and no analysis services will be provided.
Storage Period *	<input checked="" type="radio"/> Immediate Disposal <input type="radio"/> 1 Month <input type="radio"/> 3 Month 1 If immediate disposal is selected, additional orders and re-sequencing cannot be ordered as the sample is immediately discarded after the primary experiment.
Ordered by *	<input type="text" value="Gildong Hong"/>
Actual Orderer Contact	<input type="text" value="01012341234"/>
Primary E-mail	moonkun86@macrogen.com
Additional E-mail for Result *	<input type="text" value="moonkun86@macrogen.com"/>
Comment	<input type="text"/>
Institution for Billing	<input type="text" value="Macrogen Korea"/> <input type="button" value="Find"/>
Mobile Number *	<input type="text" value="01012341234"/>
Country *	<input type="text" value="Korea (the Republic of)"/>
Billing Address *	<input type="text" value="254, Beotkkot-ro, Geumcheon-gu, Seoul, Republic of Korea"/> <input type="text" value="11th floor, 1111"/> <input type="text" value="Geumcheon-gu"/> <input type="text" value="Seoul"/> <input type="text" value="08511"/>
PO Number	<input type="text"/>
ATTN	<input type="text" value="Macrogen"/>
Coupon	<input type="text" value="Choose"/> <input type="button" value="Apply"/>
Promotion Code	<input type="text" value="Please Enter."/> <input type="button" value="Promotion Code Apply"/>
Request on payment	<input type="text"/>

Previous

Save

Submit

① Enter all billing information, select the **options for BLAST Service** and **Storage Period**, and click **[Submit]**.

If "Immediate Disposal" is selected, no further orders or sequencing can be performed, as the sample will be discarded immediately after the main experiment.



Your order has been placed **successfully**.

Order Number | **EC00000579**

Please double check your order information then send your samples accordingly.

Print your order barcode to send Amsterdam laboratory.

DHL

Fedex

UPS

Print Order Barcode

* Click DHL/FedEx/UPS Invoice button to download shipping documents.

* Print all shipping documents and call DHL/FedEx/UPS to pick up your samples.

* You will be notified of the status of your order by email.

* For other inquiries, please use [[Support > Contact us](#)].

* You can check the order number and obtain your [[DHL/FedEx/UPS commercial invoice](#)].

Please **print the barcode** order and send it together with the samples.

STEP 6 Order Confirmation (* In the [Order completed] step, you cannot modify it.)

Order Information

Order Number	EC00000579	Customer Name	nl test
Service	Standard Sequencing	Sample Type	Plasmid
Tube Type	96 Well Plate	Run Type	Regular

Order History

Sample History	Rxn.	1	Sample	1
	Number of additional service sample	0	DNA Extraction	0
	Primer Synth.	0	PCR Amplification	0
Primer History	Universal	0	Enclosed	1
	Synthesis	0	Stored	0

* Finally, please **verify all the information about your order**

Universal primers, available without additional costs

Primer Name	Sequence
Bluescript SK	CGCTCTAGAAGTAGTGATC
EBV-RP	GTGGTTTGTCCAAACTCATC
KAN2-FP	ACCTACAACAAAGCTCTCATCAACC
KAN2-RP	GCAATGTAACATCAGAGATTTTGAG
M13-FP	TGTAACACGACGGCCAGT
pBacPAC-RP	GTCTGTAATCAACAACGC
pBAD-FP	ATGCCATAGCATTTTATCC
pDONOR-FP	TAACGCTAGCATGGATCTC
pEGFP_N	CCGTCCAGCTCGACCAG
pEGFP-FP	TTTAGTGAACCGTCAGATC
pEGFP-RP	AACAGCTCCTCGCCCTTG
pESP-RP	TCCAAAAGAAGTCGAGTGG
pET-24a	GGGTTATGCTAGTTATTGCTCAG
pET-RP	CTAGTTATTGCTCAGCGG

pMalE	TCAGACTGTCGATGAAGC
pREP-fwd	GCTCGATACAATAAACGCC
35S-A	AAGGGTCTTGCAGGATAG
35S-B	AGTGAAAAGGAAGGTGGCT
AD Reverse	AGATGGTGCACGATGCACAG
CYC1 Reverse	GCGTGAATGTAAGCGTGAC
DsRed1-C	AGCTGGACATCACCTCCACAACG
DsRed1-N	GTACTGGAAGTGGGGGACAG
EGFP-C	CATGGTCTGCTGGAGTTCGTG
EGFP-N	CGTCGCCGTCAGCTCGACCAG
GAL1 Forward	AATATACCTCTATACTTTAACGTC
U-19mer Primer	GTTTTCCAGTCACGACGT
T7 EEV	ATGTCGTAATAACCCGCCCGG
Bluescript KS	TCGAGGTCGACGGTATC
pFastBac Forward	GGATTATTCATACCGTCCCA

pFastBac Reverse	CAAATGGGTATGGCTGATT
AOX1 Forward	GACTGGTTCCAATTGACAAGC
AOX1 Reverse	GCAAATGGCATTCTGACATCC
a-Factor	TACTATTGCCAGCATTGCTGC
STag 18mer Primer	GAACGCCAGCACATGGAC
MT Forward	CATCTCAGTGCAACTAAA
QE Promoter	CCGAAAAGTCCACCTG
pRH Forward	CTGTCTTACTCCCTATAG
pRH Reverse	CAAAATTCATAGTTACTATCGC
SV40-pArev	CCTTACAATATGGTATGG
SV40-Promoter	GCCCCAACTCCGCCATCC
pTrcHis Forward	GAGGTATATTAATGATATCG
ITS1	TCCGTAGGTGAACCTGCCG
ITS2	GCTGCGTTCTTCATCGATGC
ITS3	GCATCGATGAAGAACGCAGC

Universal primers, available without additional costs

ITS4	TCCTCCGCTTATTGATATGC	27F	AGAGTTTGATCMTGGCTCAG	EGFP-CF	AGCACCCAGTCCGCCCTGAGC
ITS5	GGAAGTAAAAGTCGTAACAAGG	1492R	TACGGYTACCTTGTACGACTT	EGFP-CR	CGTCCATGCCGAGAGTG
pJET1.2F	CGACTCACTATAGGGAGAGCGGC	518F	CCAGCAGCCCGGTAATACG	EGFP-NR	CGTCGCCGTCCAGCTC
pJET1.2R	AAGAACATCGATTTCCATGGCAG	800R	TACCAGGGTATCTAATCC	LCO1490	GGTCAACAAATCATAAGATATTGG
T7	AATACGACTCACTATAG	BGH-R	TAGAAGGCACAGTCGAGG	HCO2198	TAAACTTCAGGGTGACCAAAAAATCA
T7terminator	GCTAGTTATTGCTCAGCGG	CMV-F	CGCAAATGGCGGTAGGCGTG	785F	GGATTAGATACCCCTGGTA
T7promoter	TAATACGACTCACTATAGGG	RVprimer3	CTAGCAAAATAGGCTGTCCC	907R	CCGCAATTCMTTTRAGTTT
T3	ATTAACCCCTACTAAAG	RVprimer4	GACGATAGTCATGCCCCGCG	337F	GACTCCTACGGGAGGCWGCAG
SP6	ATTTAGGTGACACTATAG	GLprimer1	TGTATCTTATGGTACTGTAAC TG	1100R	GGGTTGCGCTCGTTG
M13F-pUC(-40)	GTTTTCCAGTCACGAC	GLprimer2	CTTTATGTTTTGGCGTCTTCCA	NS1	GTAGTCATATGCTTGCTC
M13R-pUC(-40)	CAGGAAACAGCTATGAC	pQE-F	CCCCAAAAGTCCACCTG	NS8	TCCGAGGTTACCTACGGA
M13F	GTA AACGACGGCCAGT	pQE-R	GTTCTGAGGTCATTACTGG	LR0R	ACCCGCTGAACCTAAGC
M13R	GCGGATAACAATTTACACAGG	Gal4AD	TACCACTACAATGGATG	LR7	TACTACCACCAAGATCT
pGEX5	GGCAAGCCACGTTTGGTG	pBAD-F	ATGCCATAGCATTTTTATCCA		
pGEX3	GGAGCTGCATGTGCAGAGG	pBAD-R	GATTTAATCTGTATCAGG		