Shipping Options.



Use our **eco-friendly paper boxes** for secure shipping of your sample plates.



Drop it in your nearest DropBox for free pick-up.



Alternatively use our Sample Bag (padded **envelope)**, which you may have ordered online already.



eurofinsgenomics.com

If you have a postal service in your institute or company, address stickers with our sequencing lab adresses are available online, free of charge.

Online Ordering.



on eurofinsgenomics.eu and select the entry format.

		PLATE PROPERTIES : PLATED1 Specify your Samples				
	Specify your Same					
	Sample Types	Plainids				
4e01	Sample Specifications	Material Liga	el Culture			
	Patelleg Kits & Cottes	Code(x) to be redeemed	CSE 00000021			
40226	5	Platedes Coupon	EPC0000069	-		
		PlateSeg Coupon	- Please select			
		PaleSes Coupon	- Please select			

Specify your samples and reaction conditions on the second step. Based on the sample type, the respective PlateSeg Kit and PlateSeg Coupon codes can be selected per plate.



On the last step you have the possibility to modify and finally check your plates. Confirm your sample plates by adding them to your cart.

Sequencing Primers.

OPTIMUM PRIMER CONDITIONS

- The optimum primer length is between 16-25 bases.
- Primer melting temperature (Tm) should be 50-62 °C.
- The GC content of the primer should be 35-60 %.
- Ideally one G or C should be located at the 3' primer end.
- The number of 3' Gs or Cs should not exceed 2 Gs or Cs.
- If possible, avoid >3 identical bases in a row in the sequence.
- Primers must not contain phosphorylation or fluorescent dves.

EQUENCING	PRIMER	DESIGN	£					+ 4
Assay Design								
Primer Name *	Demo							
Target Sequence								
ATAACAGTOCA ASCTOCTUAAGI TTATCTGCTIT GATTCTGGGA AASCOGGTCTO CATGTTTCCGA	TAGOGO TTTATCA	ACCATCA CTITACO ACGAAAT JACGCGA	ГТТОТТААТА АААЗАЗСТЗА ГССТТОТААА АЗАСЭЗААЗС	AATACAAA ITAATGAA GAOGOGAT GGATATIT	AGAAOG TTTCAG TTAOTG CGACCG	TCAA ATTO A000 CTTC	OROOCAO OCTATO OCAAATO AGAAACO	TIGGA A
Length 700 bases							Delet	e Input
Design Parame	eters Ope	n / Close					2	
Sequencing Direc	son		Forward	OReven	10			
Target Region:			From: 1	Te: 5	00			
Number of Primer	s (output)		2					
mandatory						1		
							Design	Primers
Results-		Sectors			B			Order
No. Name_S	trand							100
		GTACG	ACGGAGTGT	TATAAGAT	GG	1	24	
	Jonward		ACGGAGTGT		-	1	24 291	

Use our free **Sequencing Primer** Design Tool to design the optimum sequencing primers.

PRIMER CONCENTRATION & VOLUME

- Exactly 10 pmol/µl primer concentration is required per sequencing reaction.
- Each primer must have a **total volume of 15 µl** (double distilled water or 5 mM Tris-HCl).
- 5 µl of primer volume is required for every additional sequencing reaction.
- Concentration of primers with wobble bases must be calculated according to the following formula: n^x x Conc_{Primer}

n = number of bases within a wobble according to IUPC code; \mathbf{X} = number of wobbles within the primer sequence. E.g. 1 V (AGC) = 31 x 10 pmol/µl; 2 V (AGC) (AGC) = 32 x 10 pmol/µl



Genomics

PlateSeq Service

SAMPLE SUBMISSION & ORDERING GUIDE.

The DNA Universe

Premixed samples

Purified DNA samples

Unpurified PCR products



- Use our purple PlateSeg Kit Mix or black PlateSeg Kit Mix – Overnight for your premixed samples.
- Alternatively you can use the PCR Plate from our sequencing accessories.
- Templates should consist of **15 µl purified DNA** with either of the concentrations given in below table.
- DNA concentration must be normalised across the plate.
- Add 2 µl of primer with a concentration of 10 pmol/µl.
- The total volume of your premixed sample must be 17 µl.
- Well H12 should be kept free for internal quality control.
- Seal your plates using 8-cap strips to prevent material loss.
- If you are using your own please use our **PlateSeg Labels** to label your plate on the plate frame.
- Submit samples at ambient temperature to our lab.

Sample concentration & volume

Sample	Product	Sample	Sample
type	length	conc.	vol.
Plasmid DNA	_	50-100 ng/µl	15 µl
Purified	150-300 bp	1 ng/µl	15 μΙ
PCR	300-1000 bp	5 ng/µl	15 μΙ
Products	1000-3000 bp	10 ng/µl	15 μΙ

Quantify your template concentration via agarose gel or a photometer to ensure accurate results.



- Use either our blue **PlateSeg Kit DNA** or the PCR Plate from our sequencing accessories.
- Plates may contain plasmid DNA and purified PCR products.
- Sample concentration must be normalised across the plate.
- Quantify the DNA concentration via agarose gel or a photometer.
- Well H12 should be kept free for internal guality control.
- Seal your plates using 8-cap strips to prevent material loss.
- If you are using your own plates, please use our **PlateSeq** Labels to label your plate on the plate frame.
- Samples should be sent at ambient temperature.

Sample concentration & volume

Sample	Product	Sample	Sample
type	length	conc.	vol.
Plasmid DNA	-	50-100 ng/µl	15 µl
Purified	150-300 bp	1 ng/µl	15 μΙ
PCR	300-1000 bp	5 ng/µl	15 μΙ
Products	1000-3000 bp	10 ng/µl	15 μΙ



- Use either our green **PlateSeg Kit PCR** or the PCR Plate from our sequencing accessories.
- Concentration must be normalised across the plate.
- Quantify the concentration via agarose gel or a photometer.
- PCR product size should not vary by more than a factor of 3.
- Well H12 should be kept free for internal quality control.
- PCR products should be sent liquid in a total volume of 15 µl.
- Seal your plates using 8-cap strips to prevent material loss.
- If you are using your own plates, please use our PlateSeq Labels to label your plate on the plate frame.
- Ship samples at ambient temperature to us.

Sample concentration & volume

Sample	Product	Sample	Sample
type	length	conc.	vol.
Unpurified	150-300 bp	4 ng/µl	15 μΙ
PCR	300-1000 bp	10 ng/µl	15 μΙ
Products	1000-3000 bp	20 ng/µl	15 μΙ

All PlateSeq Kits contain 96 well FrameStar® PCR plates. FrameStar® is covered by one or more of the following US patents or their foreign counterparts, owned by Eppendorf AG: US Patent Nos. 7,347, 977 and 6,340,589. FrameStar® is a registered trademark owned by 4titude[®]Ltd.



Plasmid clones as stab culture

• Use either our **PlateSeg Kit Clone** or Agar Plate from our sequencing accessories with appropriate antibiotic. • Use sterile toothpicks to **pick single colonies** from your petri dish and inoculate a single well with one colony. • Cover the plate with a lid and loosely wrap with cellophane.

Incubate plate at 37 °C for 8-12 hours (overnight).

• If you are using your own plates, please use our **PlateSeq** Labels to label your plate on the plate frame.

• Seal the plate with an **adhesive plastic foil**.

• Ship your stab cultures at **ambient temperature** to us.

PLASMID CLONES AS GLYCEROL CULTURE

• Use transparent 96well plates with 350 µl/well.

• Fill each well with 200 µl of liquid medium.

• Include the appropriate antibiotic and add 40 µl glycerol (final glycerol concentration: 10-20 %).

• Use sterile toothpicks to pick single colonies from your petri dish and inoculate a single well with one colony.

 Alternatively transfer already arrayed clones from a storage glycerol plate to a freshly prepared 96well plate.

• Cover the plate loosely and incubate at 37 °C overnight.

• Verify that the **plate surface is dry** before you seal the plate tightly with an adhesive plastic foil.

• Use our PlateSeq Labels to label your plate.

• Freeze the plate at -80 °C.

• Ship your glycerol cultures on sufficient dry ice to us.