

Long single strand DNA Preparation Kit for **10kb**

For more information : https://www.funakoshi.co.jp/exports_contents/81317

BioDynamics Laboratory's novel **Long ssDNA Preparation Kit for 10 kb** enables to make 3 to 10 kb of long single strand DNA (LssDNA) by simple method.

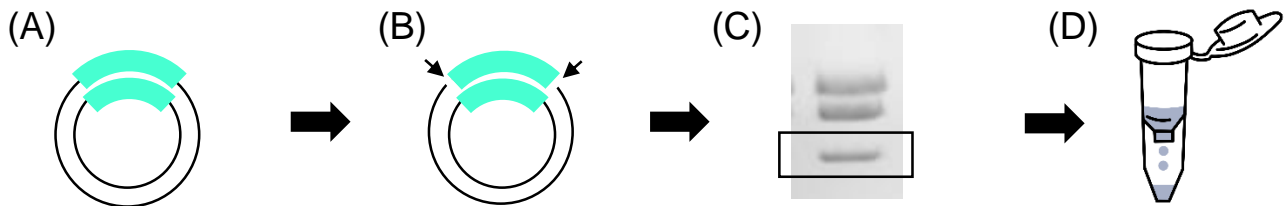
Background

Conventional methods for preparing such LssDNA use PCR, exonuclease or reverse transcriptase reaction. However, LssDNA prepared by these methods may contain mutation or lack inside or end. BioDynamics Laboratory's does not use these methods, and LssDNA with precise sequence can be obtained.

Features

- LssDNA with precise sequence can be obtained.
- Low contamination of ssDNA with incomplete sequence.
- Specially optimized gel extraction kit is included.

Principle



- (A) Subclone target DNA into plasmid
 (B) Digest the vector with nicking enzyme
 (C) Electrophoresis under denaturing condition
 (D) Excise gel and purify it with the special column provided in the kit

Kit Contents

- pLSODN PCR Template 20 μ l
- Denaturing Gel-Loading Buffer (#DS611, #DS612) 1 ml
- lambda / Hind III DNA (#DS670) 200 μ l (25 ng/ μ l)
- Long ssDNA Gel Extraction kit for 10kb (#DS650) 25 preps

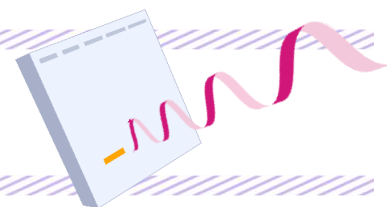
Product Information

[Manufacturer : BDL]

Product Name	Code	Size	Storage
Long ssDNA Preparation Kit for 10kb	DS635	1 kit	RT + -80°C

- Letter of Assurance (LoA) is required for purchase. Please ask your local distributor or Funakoshi.
- For commercial purpose use, license contract should be made between customers and Funakoshi.
- Price differs for academia / industrial customers. Please contact your local distributor.

Long ssDNA Gel Extraction Kit

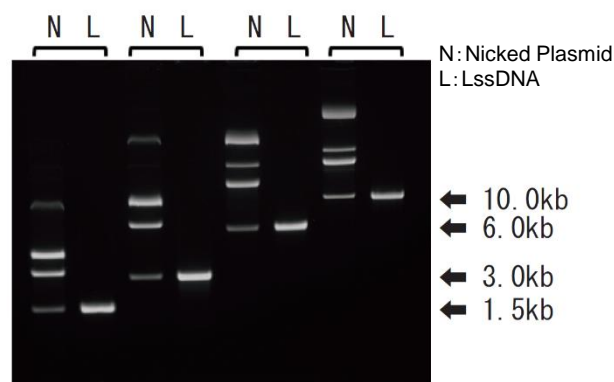


The Long ssDNA Gel Extraction Kit is optimized for LssDNA purification from agarose gel.

The spin column, buffer formulations and purification protocol are optimized for high recovery yields and high purity of LssDNA.

LssDNA purified by the kit is high-quality, with low mechanical degradation and without UV-induced damage from the purification step. The purified LssDNA is suitable for molecular biology and biotechnology applications.

The Long ssDNA Preparation Kit can be universally used for purification and clean-up of long ssDNA.



LssDNA using our gel extraction kit
1.2% Agarose Gel Electrophoresis

Features

- Optimized for long ssDNA
 - Long ssDNA can be extracted with high purity and recovery yield.
- Low mechanical degradation
- No UV light-induced DNA damage
- Guanidine thiocyanate is used as chaotropic salts. NaI is not used.
- Two types : Kit for up to 3 kb or 3~10 kb.

Kit Contents

- DNA staining solution
- Gel-Dissolving Buffer
- Wash Buffer
- Elution Buffer
- Spin Column
- Collection Tube

Product Name	Code	Size	Storage
Long ssDNA Gel Extraction Kit for 3kb	DS640	25 preps	RT
Long ssDNA Gel Extraction Kit for 10kb	DS650	25 preps	RT

Related Products

[Manufacturer : BDL]

Product Name	Code	Size	Storage
Long ssDNA Preparation Kit for 1.5 kb	DS615	1 kit	RT + -20°C
Long ssDNA Preparation Kit for 3.0 kb	DS625	1 kit	RT + -20°C

Note: Price is different between academic and commercial customers. Please contact your local distributor.

Product Name	Code	Size	Storage
Denaturing Gel-Loading Buffer	DS612	2 x 1 ml	-20°C
	DS611	5 x 1 ml	-20°C

Product Name	Code	Size	Storage
λ Hind III DNA for Long ssDNA Preparation Kit, 30load	DS670	600 μ l	-80°C

NOTE | ※ All products here are research use only, not for diagnostic use.
 ※ Specs might be changed for improvement without notice.
 ※ Numbers after '#' represents product code.

※ Company name and product name are trademark or registered mark.
 ※ Please contact your local distributors for orders, quote request and inquiry.

Your Local Distributor

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