

# SIMPLY SEAMLESS

## DNA ASSEMBLY AND CLONING KIT

### Why Simply Seamless?

#### Speed

Transformation ready product (no need to purify)

#### Quality

High-Fidelity/  
Precision

#### Cost-Effective

Screening fewer clones saves you money and resources

#### Automatable

Adaptable on most open-ended liquid handlers

### Tired of WASTING TIME

with restriction digests and ligations?

### Step up to Next Generation Cloning Technologies!

Simply Seamless DNA Assembly and Cloning Kit is designed for the rapid and reliable construction of DNA fragments and vectors from Synthetic DNA or PCR products. Simply Seamless technology enables the rapid multi-fragment assembly into any vector.

#### Features

- 1-4 fragments
- 25bp homology
- 75bp-10kbp
- 15 mins @ 37°C

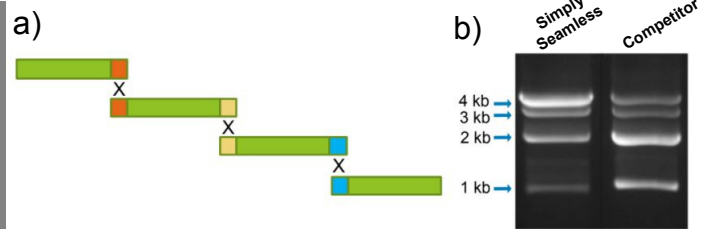
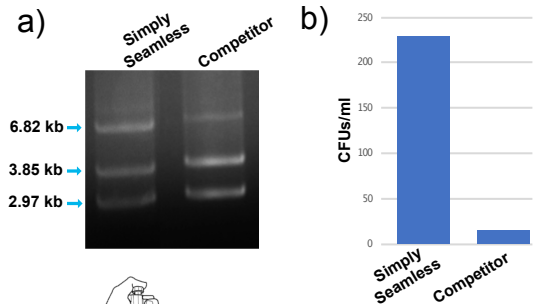
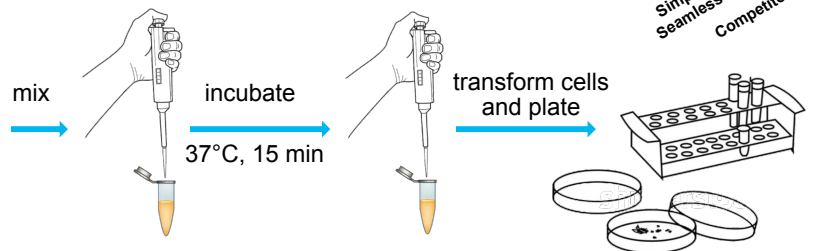


Figure 1: Assembly of four 1kb PCR products. a) Diagram illustrating the assembly of four 1 kb fragments containing 25 bp homologous overlap regions b) 1% Agarose gel comparing the two assembly reactions: 1. Simply Seamless, 2. Competitor. 100 ng of each PCR fragment was assembled in each reaction. The 4kb band is the fully assembled product.

Figure 2: Cloning of a single fragment into a vector. a) 1% Agarose gel comparing the two assembly reactions: 1. Simply Seamless, 2. Competitor. 100 ng of a PCR fragment (3.8 kb) was cloned into a vector (2.9 kb) in each reaction. The 6.82 kb band is the fully assembled product. b) Graph comparing the number of transformants (CFUs/ml) from the two different reactions. 3 ul of each 10 ul reaction was transformed and plated on LB with ampicillin.



- Synthetic DNA or PCR fragments
- + Simply Seamless Enzyme mix
- + - 10X buffer



### LIMITED TIME OFFER:

Competent Cells Included with each purchase!

Product Description	Preps	Cat No.
Simply-Seamless DNA Assembly and Cloning Kit	10	S93-01
	40	S93-02

Order your kit today!  
Visit: [www.simply-seamless.com](http://www.simply-seamless.com)



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