

In-Fusion® Snap Assembly EcoDry™ Master Mix

Catalog Nos.	Amount	Lot Number
638954	8 Rxns	Specified on product label.
638955	32 Rxns	Specified on product label.
638956	96 Rxns	Specified on product label.

Description

In-Fusion Snap Assembly EcoDry Master Mix is designed for fast, directional cloning of one or more fragments of DNA into any vector. This proprietary master mix fuses DNA fragments (e.g., PCR-generated sequences and linearized vectors) efficiently and precisely by recognizing a 15-bp overlap at their ends. This 15-bp overlap can be engineered into the primers designed for PCR amplification of the desired sequences. In-Fusion Snap Assembly EcoDry Master Mix offers high cloning efficiency, especially for longer fragments, short oligonucleotides, and multiple fragments. It is provided in a convenient, lyophilized (dry) format.

Package Contents

638954 (8 Rxns):

Box 1:

- In-Fusion Snap Assembly EcoDry Master Mix (8-well strip)

Box 2:

- pUC19 Control Vector, linearized (25 µl; 50 ng/µl)
- 2 kb Control Insert (50 µl; 40 ng/µl)

638955 (32 Rxns):

Box 1:

- 4 x In-Fusion Snap Assembly EcoDry Master Mix (8-well strip)

Box 2:

- pUC19 Control Vector, linearized (25 µl; 50 ng/µl)
- 2 kb Control Insert (50 µl; 40 ng/µl)

638956 (96 Rxns):

Box 1:

- In-Fusion Snap Assembly EcoDry Master Mix (96-well plate)

Box 2:

- pUC19 Control Vector, linearized (25 µl; 50 ng/µl)
- 2 kb Control Insert (50 µl; 40 ng/µl)

Takara Bio USA, Inc.

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Certificate of Analysis

Cat. Nos. 638954, 638955, 638956

In-Fusion® Snap Assembly EcoDry™ Master Mix

Storage Conditions

- Box 1: Store In-Fusion Snap Assembly EcoDry Master Mix at room temperature. Keep free from moisture. Store opened, unused product in a desiccator at room temperature.
- Box 2: Store at -20°C .

Shelf Life

- 1 year from date of receipt under proper storage conditions.

Shipping Conditions

- Box 1: Room temperature
- Box 2: Dry ice (-70°C)

Product Documents

Documents for our products are available for download at takarabio.com/manuals

The following documents apply to this product:

- In-Fusion Snap Assembly EcoDry User Manual
- In-Fusion Snap Assembly EcoDry Multiple-Insert Cloning Protocol-At-A-Glance
- pUC19 Linearized Vector Information

Quality Control Data

A sample kit from this lot of In-Fusion Snap Assembly EcoDry Master Mix was used to clone 80 ng of 2 kb Control Insert into linearized pUC19 (50 ng) as described in the User Manual, using an incubation time of 15 min at 50°C . A 2.5- μl aliquot of the cloning reaction was used to transform 50 μl of Stellar™ Competent Cells (transformation efficiency $>5 \times 10^8$ cfu/ μg). After 1 hr of growth in 450 μl of SOC medium, 50 μl of the transformation culture was plated onto an LB Amp 100/X-gal/IPTG plate. At least 1,500 white colonies were observed for the cloning reaction.

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.

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638954, 638955, 638956

NOTICE TO PURCHASER:

Our products are to be used for **Research Use Only**. They may not be used for any other purpose, including, but not limited to, use in humans, therapeutic or diagnostic use, or commercial use of any kind. Our products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products or to provide a service to third parties without our prior written approval.

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