





Product Sheet

Basic Yeast Synthetic Biology Tool Kit (ATCC® SB- 2000™)

Please read this **FIRST**



Storage Temp.
4°C or colder



Biosafety Level
1

Description

Product Description:

A basic tool kit for the construction of gene expression systems and gene circuits in the yeast *Saccharomyces cerevisiae*.

This tool kit contains (1) four destination vectors: pDEST-12y (SB-1000®), pDEST-23y (SB-1001®), pDEST-34y (SB-1002®), and pDEST-45y (SB-1003®); (2) three yeast vectors: pCarrier 3 (416) (SB-1004®), pCarrier 7 (426) (SB-1005®), and pCarrier 8 (integ) (SB-1024®); (3) one yeast selection maker: pENTR_L1L2_KanMX (SB-1006®); (4) four yeast constitutive promoters: pENTR_L4R1_pHOG1 (SB-1008®), pENTR_L4R1_pHOT1 (SB-1035®), pENTR_L4R1_pYPD1 (SB-1041®), and pENTR_L4R1_pSKN7 (SB-1105®), (5) one yeast inducible promoter: pENTR_L4R1_pGAL1 (SB-1046®); and (6) two empty Entry vectors: pENTR_L1L2_DONR1 (SB-1013®) and pENTR_L4R1_DONR2 (SB-1014®). Detail information of these plasmids can be found in these products' information and in the ATCC® [Synthetic Biology Solutions User Guide](#).

Volume: purified plasmid DNA (2 to 3 µg/vial)

Components

Destination vectors:

pDEST-12y (ATCC SB-1000)
pDEST-23y (ATCC SB-1001)
pDEST-34y (ATCC SB-1002)
pDEST-45y (ATCC SB-1003)

Yeast vectors:

pCarrier 3 (416) (ATCC SB-1004)
pCarrier 7 (426) (ATCC SB-1005)
pCarrier 8 (integ) (ATCC SB-1024)

Yeast selection maker:

pENTR_L1L2_KanMX (ATCC SB-1006)

Yeast constitutive promoters:

pENTR_L4R1_pHOG1 (ATCC SB-1008)
pENTR_L4R1_pHOT1 (ATCC SB-1035)
pENTR_L4R1_pYPD1 (ATCC SB-1041)
pENTR_L4R1_pSKN7 (ATCC SB-1105)

Yeast inducible promoter:

pENTR_L4R1_pGAL1 (ATCC SB-1046)

Entry vectors:

pENTR_L1L2_DONR1 (ATCC SB-1013)
pENTR_L4R1_DONR2 (ATCC SB-1014)

Rehydration Procedure

Before opening the vial, centrifuge at 6,000 x g for 30 seconds. Add 20 µL of sterilized water to dissolve the DNA. Each vial contains 2-3 µg plasmid DNA.

ATCC Warranty

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.

While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor



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been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, and use. ATCC is not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to insure authenticity and reliability of strains on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of cultures.

Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at www.atcc.org

Additional information on this culture is available on the ATCC web site at www.atcc.org.

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Please read this FIRST

A black rectangular box with white text and icons. The top section features a thermometer icon, the text "Storage Temp.", and "4°C or colder". A horizontal dashed line separates this from the bottom section, which features a biohazard icon, the text "Biosafety Level", and the number "1".

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor