



# pFV17

## 77170™

### Description

**Organism:** *Saccharomyces cerevisiae*, 2 micron circle

**Clone type:** Clone

**Host:** *Escherichia coli*

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### Storage Conditions

**Product format:** Freeze-dried

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### Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

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### BSL 1

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

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### Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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### Insert Information

**Type of DNA:** genomic

**Insert information:**

Genomic copy number: unique

**Genome:** *Saccharomyces cerevisiae*, 2 micron circle

**Target gene:** recombinase, site-specific

**Gene name:** recombinase, site-specific

**Gene product:** recombinase, site-specific [FLP]

**Gene symbol:** FLP

**Contains complete coding sequence:** Unknown

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### Vector Information

**Construct size (kb):** 6.800000190734863

**Intact vector size:** 4.363

**Vector name:** pBR322

**Type of vector:** plasmid

**Construction:** pBR313

**Host range:** *Escherichia coli*

**Vector information:**

Cross references: DNA Seq. Acc.: J01749

**Cloning sites:** EcoRI; ClaI; HindIII; EcoRV; BamHI; SphI; SalI; XmaIII; NruI; BspMI; BsmI; StyI; Aval; Ball; BspMII; PvuII; Tth111I; NdeI; AflIII; PpaI; PstI; PvuI; Scal; SspI; AatII

**Markers:** LEU2; ampR; tetR

**Replicon:** pMB1

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### Growth Conditions

**Medium:**

ATCC Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin

**Temperature:** 37°C

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## Notes

Restriction digests of the clone give the following sizes (kb): BamHI--6.8; EcoRI--3.4, 2.15, 1.25; Sall--6.8; Sall/HindIII--5.9, 0.9; Sall/XbaI--5.3, 1.5.  
- ATCC staff

Integrating plasmid for galactose-inducible expression of FLP (from the GAL10 promoter).  
- Cell 46: 541-550, 1986

Constructed by cloning the HaeIII/HindIII fragment from the 2 micron circle into the Sall/HindIII sites of YEp51 (using a Sall linker), modifying the region between GAL10 and FLP to increase expression, and deleting the 2 micron origin of replication.  
- Cell 46: 541-550, 1986

Derived from pBR322 via YEp51.  
- Cell 46: 541-550, 1986

Linearize with BstEII before transformation into *S. cerevisiae* hosts.  
- Methods Enzymol. 185: 234-279, 1990

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pFV17 (ATCC 77170)

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## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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## Revision

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