



# YE<sub>p</sub>FAT10

87554<sup>™</sup>

Product Sheet

## Description

One of 9 YE-type (episomal) shuttle vectors (ATCC 87541, 87554 and 87640 ? 87645) that have the leu2-d gene, which is correlated with high copy number when grown in medium lacking leucine. Similarly, the NruI, BamHI, Sall and SphI are adjacent and can be used for directional cloning. Selection for TRP1 expression produces a plasmid copy number of 20-40; growth on YC minus leucine produces a copy number of 100-200. The vector was constructed by Kurt Runge. Restriction digests of the vector gave the following bands (in kb): BamHI ? 7.0; EcoRI ? 4.2, 2.9; Sall ? 7.0. -----ATCC staff

**Clone type:** Vector

**Shipping information:** *Escherichia coli* containing the plasmid

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## Storage Conditions

**Product format:** Freeze-dried

**Storage conditions:** 2°C to 8°C

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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

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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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## Vector Information

**Construct size (kb):** 6.770999908447266

**Vector name:** YEpFAT10 (plasmid)

**Construction:** pVZ1

**Markers:** LEU2-d; ampR; TRP1

**MCS:** Apal...SacII; NruI...SphI

**Promoters:** *In vitro* transcription T7; lac

**Replicon:** 2 micron ori/LEU2-d; 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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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: YEpFAT10 (ATCC 87554)

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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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