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**PRODUCT: Frozen Competent Cells  
BMH 71-18 mutS**

**CATALOG No.**  
630701

**AMOUNT**  
5 x 200 µl

**DESCRIPTION**

BMH 71-18 mutS (1,2) competent cells prepared according to a published procedure (3). BMH 71-18 *mutS* cells are used with the Clontech Transformer Site-Directed Mutagenesis Kit (Cat No. 630702)

**LOT NUMBER**

Specified on product label.

**STORAGE CONDITIONS**

- Store competent cells at  $-70^{\circ}\text{C}$ .
- Store control plasmid at  $-20^{\circ}\text{C}$
- Avoid repeated freeze/thaw cycles for competent cells.

**PACKAGE CONTENTS**

- 5 x 200 µl frozen *E. coli* BMH 71-18 mutS Competent Cells in 1X TSS buffer (3)
- 20 µl of 10 pg/µl control plasmid DNA (pUC19 or pUC18)

**SHELF LIFE**

1 year from date of receipt under proper storage conditions.

**GENOTYPE (1,2):**

*supE thi Δ(lac -proAB) [mutS::Tn10]*  
*[F' proAB<sup>+</sup> lac<sup>+</sup> lacZΔM15]*

**SHIPPING CONDITIONS**

Dry ice ( $-70^{\circ}\text{C}$ )

Note: BMH 71-18 *mutS* is phenotypically Tet<sup>r</sup>, due to the Tn10 transposon.

**FOR RESEARCH USE ONLY**

**QUALITY CONTROL DATA**

To maintain proper genotype, the cell stock used to produce competent cells has been kept in medium containing tetracycline. The transformation efficiency of competent BMH 71-18 *mutS* is guaranteed to be  $>10^7$  cfu per µg of control plasmid DNA.

**REFERENCES**

1. Kramer, B., et al. (1984) *Cell* **38**:879.
2. Zell, R. & Fritz, H. (1987) *EMBO. J.* **6**(6):1809.
3. Chung, C. T., Niemela, S. L. & Miller, R. H. (1989) *Proc. Natl. Acad. Sci. USA* **86**:2172-2175.



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