# TransforMax EPI300-T1R elektrokompetente E. coli

Lucigen

TransforMAX™

10 x 100 µl

Artikel-Nr.: 191052 | Lucigen | Hersteller-Nr.: EC02T110

**586,10 €***

*zzgl. MwSt. zzgl. Versandkosten

## Beschreibung

**Produkttyp:** Kompetente Zellen
**Verpackung:**10 x 100 µl

**Applications**

- Construction of inducible-copy-number genomic libraries using the CopyControl™ Cloning System, with clones that are resistant to contaminating phage T1 and T5.

Phage T1-Resistant TransforMax™ EPI300™-T1$^R$ *E. coli* have all the benefits of the highly versatile TransforMax EPI300™ *E. coli* competent cells with the addition of being resistant to bacteriophages T1 and T5 (*tonA* genotype). Once introduced into the lab environment, bacteriophage T1 rapidly lyses *E. coli* strains that are commonly used in cloning applications and results in significant lab downtime and the loss of valuable clones. Bacteriophage T1 is particularly difficult to eliminate from the lab and can lay dormant for many years. The *tonA* genotype protects the phage T1-resistant TransforMax EC100-T1$^R$ cells and valuable clones from attack by bacteriophage T1.

Like the standard TransforMax EPI300 *E. coli*, this strain has been specially engineered for use with Epicentre's CopyControl™ Cloning Systems.* The cells contain an inducible mutant *trfA* gene whose gene product is required for initiation of replication from the *ori*V contained on the CopyControl pCC1™ Vectors or on clones that have been retrofitted with CopyControl capability using the EZ-Tn5™<*ori*V/KAN-2> Insertion Kit. This process allows TransforMax EPI300-T1$^R$ *E. coli* to maintain CopyControl vectors at single copy until induction occurs immediately before DNA purification.

**Benefits**

- *tonA* for resistance to bacteriophages T1 and T5.
- *trfA* gene under tight control of an inducible promoter for copy-number control of CopyControl clones and clones retrofitted with the EZ-Tn5<*ori*V/KAN-2> Transposon.

- High transformation efficiency of both large and small clones.
- *lacZ?M15* for blue/white screening of recombinants.
- Readily accepts large DNAs for construction of large-insert genomic libraries.
- Restriction minus [*mcrA, ?(mrr-hsdRMS-mcrBC)*] enables efficient cloning of methylated DNA.
- Endonuclease minus (*endA1*) to ensure high yields of DNA.
- Recombination minus (*recA1*) for greater stability of large cloned inserts.

**Genotype**

*$F^-$ mcrA ?(mrr-hsdRMS-mcrBC) ?80dlacZ?M15 ?lacX74 recA1 endA1 araD139 ?(ara, leu)7697 galU galK ? rpsL ($Str^R$) nupG trfA tonA*

**Covered by issued and/or pending patents.*

Telefon: +49 (0) 51 52 / 90 20
Telefax: +49 (0) 51 52 / 20 70
E-Mail: support@biozym.com
Internet: www.biozym.com

Rechtliches
Registergericht: Amtsgericht Hannover
Registernummer: HRB 101682
UST-ID: DE 813739502

Biozym Scientific GmbH
Geschäftsführer
Dr. Sebastian Petri