

QIAexpress® Data Sheet:

***E. coli* strain M15**

E. coli strain M15, which carries the deletion M15 in the *lacZ* gene (Beckwith, 1964), was received from A.V. Fowler as strain *E. coli* M15 DZ291. This strain was constructed by P.J. Zamenhof and is mentioned in a publication by Villarejo and Zabin (1974). These authors refer to publications (Zamenhof and Villarejo, 1972; Fowler and Zabin, 1968) in which, however, strain DZ291 is not mentioned.

According to our results, strain *E. coli* M15 indeed carries the deletion M15, which is complemented by the presence of the α -fragment of the β -galactosidase. Surprisingly, *E. coli* strain M15 cannot be infected by lambda phages and, furthermore, the P_L promoter, which was introduced into this strain, is not active.

For citation of *E. coli* strain M15 we suggest:

- obtained from D. Stüber, F. Hoffmann-La Roche Ltd.
- described by Villarejo and Zabin (1974)

References

Beckwith, J.R. (1964) A deletion analysis of the *lac* operator region in *Escherichia coli*. *J. Mol. Biol.* **8**, 427.

Fowler, A.V. and Zabin, I. (1968) β -galactosidase: immunological studies of nonsense, missense and deletion mutants. *J. Mol. Biol.* **33**, 35.

Villarejo, M.R. and Zabin, I. (1974) β -galactosidase from termination and deletion mutant strains. *J. Bacteriol.* **120**, 466.

Zamenhof, P.J. and Villarejo, M.R. (1972) Construction and properties of *Escherichia coli* strains exhibiting α -complementation of β -galactosidase fragments in vivo. *J. Bacteriol.* **110**, 171.

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