

WCSB, Wageningen University	IBISBA-SOP-WU18
	Version 1.0

EPP - Standard Operating Procedure

(only for selected experiments intended to transfer results from one lab to the other)

Title: *Mix & Go competent cells and transformation of E. coli*

<u>distribution list</u>			
changes to prior version:			
	name	signature	date
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Instruction

Mix & Go competent cells and transformation of E. coli

1. Introduction / Purpose

This SOP describes the simple method for generating Mix & Go chemically competent *E. coli* for rapid, reliable and highly efficient DNA transformation.

Keywords: Anaerobic – inoculation – sampling - CFU

2. Equipment and chemicals

2.1. Chemicals

- Mix & Go *E. coli* Transformation Kit (Zymo Research: T3001)
OR
- Mix & Go *E. coli* Buffer Kit (Zymo Research: T3002)

2.2. Bacterial strains

E. coli strain

3. Media and Buffers

- When using the Buffer Kit: SOB medium (MPBIO: SKU 113030022)

4. Procedures

The method is described in the manual provided with the kit. Also see here:

https://files.zymoresearch.com/protocols/_t3001_t3002_mix_go_e_coli_transformation_kit_buffer_set.pdf

5. Remarks / troubleshooting

Follow the manual provided with the kit, and everything will work out just fine!

6. Biosafety

No biosafety issues are associated with this protocol.

7. Acknowledgements



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