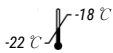


α -Complementation

For Transformation

RUO *Research Use Only*
REF 15032


DESCRIPTION

β -galactosidase dissolves X-Gal and create blue product when β -galactosidase, which has various kinds of vector, is activated. With this characteristic, it can be acknowledged that insert DNA is in the vector or not through blue/white selection. If there is no insert DNA, blue colonies are shown because β -galactosidase is activated by induction of IPTG. And there is no insert DNA, white colonies are shown because β -galactosidase gene is inactivated by gene recombination.

KIT CONTENTS

Label	Contain
X-Gal Soln. (40mg/ml) (5-bromo-4-chloro-3-indolyl- β -D-galactoside)	4 ml
IPTG Soln. (400mg/ml) (isopropylthio- β -D-galactoside)	400 ul

It is recommended for the products to be stored at -20 °C. Always avoid multiple freeze-thaw cycles or exposure to frequent temperature changes. These fluctuations can greatly alter stability of product.

IMPORTANT NOTES

Please put in spread 40ul of X-gal Solution and 4 ul of IPTG in each agar plate.

APPLICATION

✓ Cloning & Transformation

NOTICE BEFORE USE

The α -Complementation is intended for research use only. This product is not intended for the diagnosis, prevention, or treatment of disease. All due care and attention should be exercised in the handling of the products. Do not use internally or externally in humans or animals. Please observe general laboratory precaution and utilize safety while using this buffer.

ORDERING INFORMATION

Product Name	Amount	Cat. No.
pLUG-Prime® TA-Cloning Vector Kit	20 rxn.	11061
MacCell™ DH5 α (10 ⁷)	1 ml	15052
MacCell™ DH5 α (10 ⁸)	1 ml	15053
MacCell™ DH5 α (10 ⁹)	1 ml	15054

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