

Data Sheet



EUCODIS Lipase Kit, reference enzymes

Cat. No.	Formulation	Sales Unit
EL Kit ref	screening grade	100 mg-1 g each

For research use only.
Store at 4-8°C.

Application

EUCODIS lipases can be utilized as enzymes catalyzing hydrolytic reactions.

In contrast to the regular Eucodis Lipase Kit, this kit contains well known wild-type lipases and engineered variants from *Candida antarctica*, *Candida rugosa* and *Yarrowia lipolytica* as reference enzymes for biocatalytic conversions.

Form

7 vials
Powder, slightly brown, freeze-dried
Protein content ~10 %

Specifications

Name	EUCODIS Lipase Kit, reference enzymes
E.C.	3.1.1.3
Origin	microbial
Source	native & recombinant
pH Optimum	7.5-9
pH Stability	6-9

Function

Lipases belong to the family of esterases and naturally act on triglycerides at lipid-water interfaces. Lipases/esterases can be used as versatile tools in hydrolytic reactions, esterifications and transesterification reactions, in industrial and food applications.

Usage

EUCODIS lipase freeze-dried powders are partly soluble in water. Before use, remove insoluble material by centrifugation.

The enzymes should be protected from high temperatures and excessive moisture.

Recommended restoration buffer:
20 mM phosphate, pH 7.4.

The EUCODIS Lipase Kit reference enzymes contain 100 mg-1 g of each of the following lipases:

EUCODIS Lipase Kit, reference enzymes	
ELCB10WT	ELCR01
ELCB01	ELCR02
ELCB02	ELCR03
ELY01	

For information on activity, substrate preference and reaction conditions, please consult the datasheet of the individual lipase.