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Enzyme kits

Biocatalysis is the fastest growing technology for the synthesis of chiral molecules. Johnson Matthey's biocatalysis offering comprises redox enzymes such as alcohol dehydrogenases (ADHs) and ene reductases (ENEs), as well as reductive amination enzymes such as transaminases (TAs), imine reductases (IREDs) and amine dehydrogenases (AmDHs).

The enzymes in these kits have been selected for their great activity on a wide selection of substrates and over a wide range of pH, accommodating the different synthetic needs of our customers.

Description	Product code	Accompanying documentation	Kit contents*
C=C double bond reduction kit	EZK002	ENE product guide Cofactor regeneration guide	7 ENEs 3 GDHs 1 FDH
C=O reduction kit	EZK003	ADH product guide Cofactor regeneration guide	17 ADHs 3 GDHs 1 FDH
Chiral amines kit	EZK004	AmDH product guide IREd product guide TA product guide Equilibrium shift guide	8 STAs 9 RTAs 4 AmDHs 9 IREds 2 LDHs 1 AlaDH 1 GDH

*Each kit also comes with a supply of relevant cofactors.

Each kit is supplied with a product guide containing all the information needed to work with our enzymes, including:

- Kit description and reaction mechanism
- Enzyme overview and application table
- Reaction setup and work up
- Useful tips and cofactor regeneration recommendations

Our team of experts will help you find the best solution and assist you with any aspects of using our kits successfully in your facility. To find out how to order or for more information on our enzyme range, visit matthey.com/enzyme-kits