



Your partner for biocatalysis support

Accelerating the implementation of enzymes in your synthesis





From early discovery to commercial production, we provide comprehensive support to help you at every step of your chemical development journey. **With advanced technology, a diverse enzyme portfolio,** and a flexible business model, JM's leading biocatalysis solutions accelerates your progress, helping you bring projects to market faster and more efficiently.

Development acceleration

Pre-validated enzyme portfolio

Our diverse portfolio of pre-validated enzymes accelerates your screening process, reducing time and resources spent on finding suitable biocatalysts. Each enzyme in our commercial collection is process-ready and available at commercial volumes.

Key benefits:



Diverse
portfolio



Ready-to-use
enzymes



Available
at scale

Our portfolio includes enzymes for the following reaction types

Reductive
amination

C=O
reduction

C=C
reduction

NO₂
reduction

Cofactor
regeneration &
transaminase-
equilibrium shift

Enzyme screening and engineering

Our experts utilise advanced enzyme screening and engineering technologies, including our proprietary **SmartScaffold™** bioinformatic tool for in-silico design, to quickly identify and optimise the best enzyme for your needs.

Reduction in processing steps

Enzyme technology allows us to simplify your molecule synthesis, reducing the number of process steps and saving you time and resources. This streamlined approach enables faster time to market, giving you a competitive edge.

One-stop shop: Discovery to launch

We provide end-to-end support for your biocatalysis project, from early enzyme discovery to full-scale commercial production. Our comprehensive services ensure that every stage of development is optimised for success.



Enzyme screening and in-house development

With our enzyme screening and in-house development capabilities, we can quickly identify and optimise the right biocatalysts for your process. Our team of experts work closely with you to design and engineer enzymes that meet your unique specifications.



Process optimisation services

Our biocatalytic process optimisation services ensure that your reactions run smoothly and efficiently. We fine-tune every aspect of the process to maximise yields and reduce costs, ensuring a seamless transition from lab to commercial production.



Dedicated technical team

From discovery to launch, our dedicated technical project managers work closely with you at every stage of development, ensuring that your project remains on track and delivers the desired results.



Flexible supply and IP ownership

At Johnson Matthey, we provide flexible supply and customisable IP ownership options to align with the unique requirements of your project.

Our solutions are designed with adaptability in mind - whether you need enzyme customisation services or prefer to handle development in-house. We also offer comprehensive support at every stage of your project, with adjustable licensing fees tailored to your specific needs. This ensures full transparency and gives you complete control over your operations and intellectual property.





Partner with Johnson Matthey to unlock the full potential of biocatalysis and accelerate your chemical innovation journey.



Scan here to learn more about how JM can support your biocatalysis projects or email pharma@matthey.com