

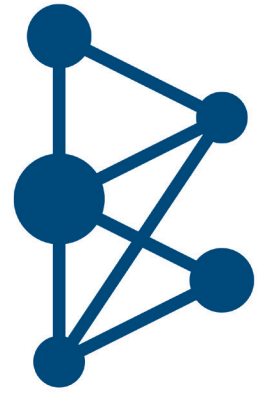


BIOCATALYSTS
A BRAIN Group company

Enzyme Development & Manufacturing



Enzyme Development & Manufacture



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Food

We are well known for customising enzymes in taste, texture and functionality in food across multiple sectors.



Pharma

Pharmaceutical enzyme discovery, product development, scale up, and supply & contract manufacturer of enzymes as raw materials for kits used in Diagnostics and other life science markets.



Industrial
Biotech

Companies looking for unique biochemical conversions in technical and sustainable applications, come to us to scale-up their proprietary enzymes.

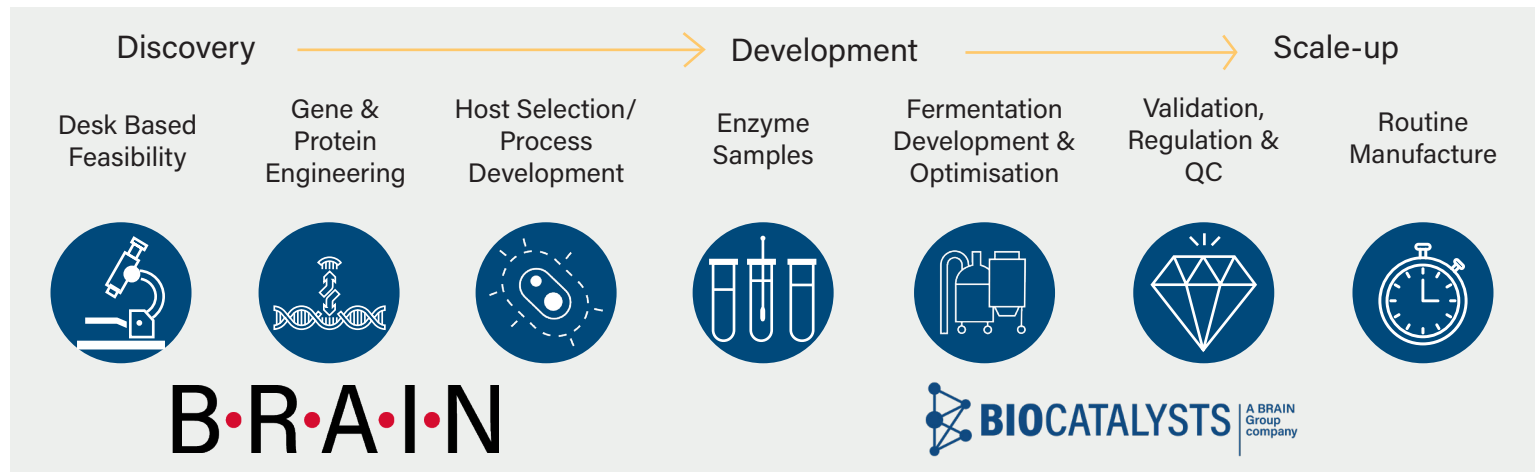
Our objective is clear: Provide our customers with the fastest, most cost-effective solution for their enzyme needs, whether it is a standard product or customised enzyme.



Biocatalysts offer a flexible, unique and fully certified contract development and fermentation concept at different processing scales to a multitude of clients from diverse industries.

Enzyme discovery marks the start of the journey for novel enzyme development. Our low-risk concept starts with fully understanding your needs and processes, before identifying the appropriate gene sequence to perform an initial proof-of-concept fermentation of your new enzyme.

Customised Enzyme Development



- Core strains:**
- *Escherichia coli*
 - *Yarrowia lipolytica*
 - *Pichia Pastoris*
 - *Bacillus subtilis*

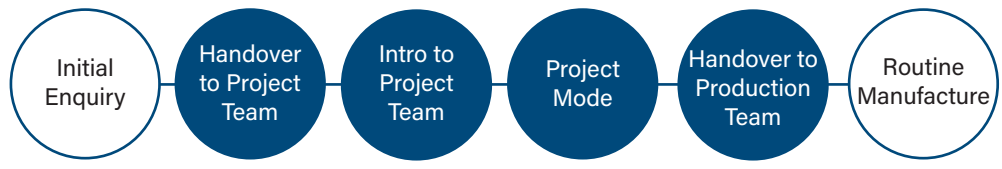
- Enzyme development suite:**
- Gene Synthesis & Cloning
 - Protein Expression & Analysis
 - 8 x 0.5L Bioreactors
 - 6 x 3 L Fermentations & DSP

- Fermentation Capabilities**
- 2x 10m³
 - 2x 750L
 - 1x 70L
 - Large scale freeze-dryer
 - Large scale fermentation up to 63m³

- Types of DSP:**
- Homogenisation
 - Centrifugation
 - Depth Filtration
 - Ultrafiltration
 - Phase Separation
 - Bactofiltration
 - Chromatography (IEX & Affinity)
 - Freeze-drying on site
 - Spray-drying off site

Project Delivery

Our Project Delivery Team are dedicated to getting your product from your initial enquiry to our Commercial Team, right through to our Fermentation Specialists for routine manufacture.



Our unique enzyme development and manufacturing process has the ability to transition a customised enzyme into a routine manufactured product. This guarantees the exclusive supply of a fully validated and viable enzyme upon request in scheduled time frames required for large commercial scale projects.



**Unlock Innovation
Science to Application**



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Science to Application