



NEW !

Reaction Screening Simplified

Accelerate and optimize
heterogeneous reaction
testing at the milliliter
scale with MiniRBR



Immobilized
enzyme screening



Reduced
work-up time



Scalable
results

Revolutionary approach to biocatalyst screening

The SpinChem® Miniature Rotating Bed Reactor (MiniRBR) is designed for parallel laboratory development and reaction screening in >5 mL for scientists and innovators in biocatalysis who demand fast, reproducible, and scalable results—transforming the way you develop and optimize enzymatic and heterogeneous reactions, from lab screening to process scale-up.

Faster development

Parallel laboratory development and reaction screening in >5 mL volumes made faster and easier with the SpinChem® MiniRBR. Conduct multiple small-volume reactions in parallel, quickly identifying optimal enzymes, resins, or catalysts for your process.



Easy to use

No filtration needed, no material loss, and minimal handling - just remove the MiniRBR when done. Compatible with standard lab equipment for seamless integration. Optimized for screening workflows, it integrates with common laboratory automation and parallel synthesis systems.



Cost-effective & sustainable

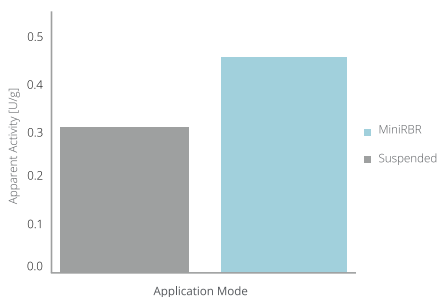
MiniRBR requires much less material per test (1–2 mL solid phase, >5 mL liquid) while maintaining high performance and enabling easy scale-up. Due to its design it is possible to protect and reuse expensive enzymes with minimal degradation.



Screening platform for immobilized biocatalysts

Application L2426

The SpinChem® MiniRBR is a novel screening platform that addresses the challenges of biocatalytic reaction development. This system simplifies the lab work by leveraging rotating bed reactor technology, which is proven effective at industrial scale.



Source: *Organic Process Research & Development*
2024 28 (12), 4264-4272

Improvements in enzyme immobilization

The SpinChem® MiniRBR system increases the apparent activity of immobilized enzymes by 50% compared to traditional methods using suspended carrier particles. This improvement is achieved through better mass transfer - essentially, the rotating bed reactor maximizes the contact between the enzymes and their substrates.

Find more information at [spinchem.com](https://www.spinchem.com)

"Using the MiniRBR, the apparent activity of the immobilizes increased by 50% at the same reaction conditions."

Jan-Ole Kundoch et al,
Org. Process Res. Dev., 2024

"We were impressed with SpinChem's Complete starter kit S3 and the MiniRBR system. Their technology was reliable and showed great potential for our research"

Nick Milne,
CSO,
Octarine Bio

More about SpinChem® MiniRBR

- **Learn** how MiniRBR enhances biocatalyst screening and process development
- **Be first in line** to buy a test unit for your laboratory
- Get a chance to **win a free sample** during the upcoming MiniRBR Launch webinar

Scan for more information

