



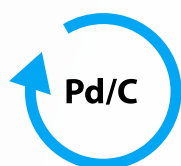
Catalyst Screening and Process Development Services

CATALYTIC SERVICES

Why Johnson Matthey?

One Single Partner for Every Catalytic Technology

At Johnson Matthey we focus on the chemistry with an exceptional choice of the best catalytic technology. We have hundreds of different catalysts available:



HETEROGENEOUS
CATALYSTS



HOMOGENEOUS
CATALYSTS



CHIRAL
CATALYSTS



BIOCATALYSTS

We Focus on Real Industrial Solutions

Quality, Reliability, Time Efficiency

Encompassing unrivalled knowledge and know-how with the best scientists in the field our highly committed experts focus on real customer needs.

Our expertise is coupled with state-of-the-art laboratories and equipment including:

- Parallel reaction systems
- High and low pressure reaction systems
- Containment system for handling potent molecules
- S1 Bio-labs
- Analytical excellence

The Service We Offer

A Focus on Deliverables

Initially a preliminary background and literature search will be undertaken by our experts in the field. This significantly contributed to maximizing the success rate and also leads to greater time efficiency, meaning results are obtained quickly.

FTE Phases

Phase 1

Catalysts and preliminary reaction condition screening

Phase 2

Optimization of reaction conditions

Phase 3

Reaction intensification and scale up

Timescale & Reporting

Each phase typically requires 2 to 4 man-weeks during which weekly progress reports are given along with reaction and catalyst samples.

Projects are managed on a weekly basis with constant customer contact who has the final word on project direction.

Readily Applicable Solutions

Johnson Matthey Catalysts are available in commercial scale and all developed solutions are readily transferable to the customer's plant.

Custom manufacturing of high enantiomeric and chemical purity chiral compounds using state-of-the-art catalytic technology is available using worldwide scale-up capabilities from gram to multi-ton scale.