



Heterogeneous PGM catalyst screening kit





Johnson Matthey provides essential services in both heterogeneous catalyst supply and supporting optimal catalyst identification. The current version of our heterogeneous catalyst kit provides access to 32 catalyst choices for over 80 reaction types. It is supplied with a comprehensive application table to help you select the most suitable catalyst for your in-house parallel screening projects.

Kit contents:

% Metal	Catalyst	Number of catalyst types
1%	Platinum/Carbon	1
5%	Platinum/Carbon	5
5%	Platinum(sulfided)/Carbon	1
5%	Platinum/Alumina	1
5%	Palladium/Carbon	10
5%	Palladium/Alumina	1
5%	Palladium(Pb)/Calcium Carbonate	1
5%	Palladium/Barium Sulphate	1
10%	Palladium/Carbon	5
5%	Rhodium/Carbon	2
5%	Rhodium/Alumina	1
5%	Ruthenium/Carbon	2
5%	Ruthenium/Alumina	1

	Pd(Pb)/CaCO ₃	Pd/CaCO ₃	Pd/BaSO ₄	Pd/C	Pt(S)/C	Pt/C	Rh/Al ₂ O ₃	Rh/C	Ru/Al ₂ O ₃	Ru/C
Alcohol oxidation										
Carbocycles										
Heterocycles										
Alkyne & alkenes to alkanes										
Alkyne to alkenes										
Alkyl aldehydes & ketones										
Aromatic aldehydes & ketones										
Unsaturated aldehydes & ketones										
Dehydrogenation										
Hydrodehalogenations										
Nitrogen deprotection										
Oxygen deprotection										
Ring opening										
Imines & oximes										
Nitriles										
Nitro, nitroso & halonitroaromatics										
Red aminations & alkylations										
Transfer hydrogenation										

At JM, our dedicated team of experts are committed to providing our customers with the optimal technology for their needs. From initial screening through to commercial scale, we apply our extensive expertise to optimise your processes and minimise the catalyst cost contribution factor. With an expanded range of catalysts now available, identifying a possible candidate from this screening kit is a crucial first step in selecting the ideal catalyst for your process.

