



ThalesNano's CatCarts®

Thales' CatCarts® contain sealed heterogeneous catalysts, which can be used in hydrogenation and other heterogeneously catalyzed reactions in the H-Cube®. Exposure to the catalyst is limited by removing the need for filtration, while the cartridges are easy to install and replace. In the CatCarts®, the ratio of catalyst to hydrogen and substrate is significantly increased, which results in faster reaction rates.

CatCarts® come in three standard sizes (30, 55, 70 mm). The smallest CatCarts® are used typically to reduce up to 1g of substrate, while the longest CatCarts® can reduce up to 100 g of material in a day with no signs of catalyst deactivation.

If you require further information on the instrument, or would like to have a Demonstration scheduled, please contact:

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The following CatCarts® are currently available:

- 10% Pd/C
- Inert CatCart®: Quartz
- Inert CatCart®: Titanium
- (2,5% Pt 2,5% Pd)/C
- Raney-Ni
- 10% Pt/C
- 5% Rh/C
- 20% Pd (OH)₂/C (Pearlmann's catalyst)
- Raney Cobalt
- Raney Copper
- 5% Pd/Al₂O₃
- 5% Pd/C
- 5% Ru/Al₂O₃
- 5% Pt/Al₂O₃
- 5% Pd on CaCO₃ / Pb (Lindlar's catalyst)
- 5% Ru/C
- 5% Re/C
- 5% Pt/C, Sulfided
- 5% Rh/Al₂O₃
- PtO₂ (Adam's Catalyst)
- Pricat Ni 55/5P
- NP Pd(0)EnCat™ 30 *
- 5% Pd/BaSO₄
- Nickel sponge, promoted 1% Mo
- (5% Pd, 1% Fe)/C
- (4,5% Ru, 0,5% Pd)/C
- 1% Pd/Al₂O₃
- 10% Pd/Al₂O₃
- Pd/C- Ethylenediamine
- 1% Ir/C
- Ni/Si-Al
- 5% Pd/SiO₂
- 1% Pd/C
- 2% Pd/SrCO₃
- 1% Pt/Al₂O₃
- PdO
- Pd black
- [(RuCl₂(mtpms)₂)]₂
- Wilkinson's Catalyst Rh(I)(TPP)₃Cl polymer bound
- PdEnCat™ 30 *
- PdEnCat™ TPP30 *, **
- Pd(II)EnCat™ BINAP 30 *, **
- Tetrakis (TPP)-palladium polymer bound
- Pd(II)EnCat™ TOTP 30 *
- RuO₂
- IrO₂
- Fibrecat 1001
- Fibrecat 1007
- Fibrecat 2003
- Fibrecat 2006
- 1% Pt/C
- 5% Ir/CaCO₃
- 5% Pt/C

The list of available CatCarts® is being constantly updated with new catalysts. In addition, Thales Nanotechnology will make CatCarts® to order.

* Encat is a trademark of Reaxa Ltd.

** Pd Encat technology, international patents have been applied for, including PCT/GB 02/03135.