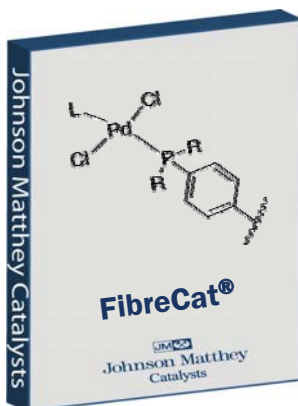




Palladium FibreCat[®] Kit Supported Homogeneous Catalyst System



Johnson Matthey has developed FibreCat[®], a line of tunable, polymer supported palladium complexes of electron rich and bulky monodentate ligands that provide:

- excellent activity
- minimal metal leaching
- ability to be recycled

Advantages of FibreCat[®]:

- Easy to handle
- Good mechanical properties
- Good functional group accessibility
- Can be processed in various forms
- Insoluble in most solvents

Catalysts included in Kit:

| Catalog # | Ligand |
|---------------|--|
| FC-1029 | MeCn R=Ph |
| FC-1032 | <i>t</i> -Bu ₃ P |
| FC-1033 | Q-Phos |
| FC-1034A | (Me ₂ NC ₆ H ₄)P <i>t</i> -Bu ₂ |
| FC-1035 | dppf |
| Pd Smopex 111 | Pd Acetate |

References:

Tunable Palladium-FibreCats for Aryl Chloride Suzuki Coupling with Minimal Metal Leaching

Thomas J. Colacot, William A. Carole, Bruce A. Neide and Ajay Harad
Organometallics, **2008**, 27, 5605-5611

Pd-Smopex-111 A New Catalyst for Heck and Suzuki Cross-Coupling Reactions

Xinglong Jiang, Josept Sclafani, Kapa Prasad, Oljan Repic and Thomas J. Blacklock
Org. Process Res. Dev. **2007**, 11, 4, 769-772

Catalog Part #S7013

Kits are available for purchase through Johnson Matthey Catalysis and Chiral Technologies
Please contact your local sales representative for additional details or email your request to cct@jmtusa.com.
Kit is supplied with one gram of each catalyst.