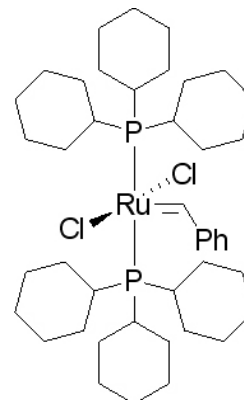


Application Note M11.0

SiliaBond (Bulk) & SiliaPrep™ (SPE) Scavenging Efficiency Comparison

A metal scavenging study using SiliaBond DMT and Thiol products was conducted on Grubbs 1st Generation catalyst to compare the efficiency of using SiliaBond Metal Scavengers in bulk and in SPE formats. Both methods can be used to remove metal with similar results; the choice of the metal scavenger format that will be used for the procedure is more related to the customer set-up than to a significant difference between scavenging efficiency.

SCAVENGING GRUBBS 1ST GENERATION CATALYST RESULTS



Grubbs 1st Generation: Residual Ruthenium Concentration and % of captation

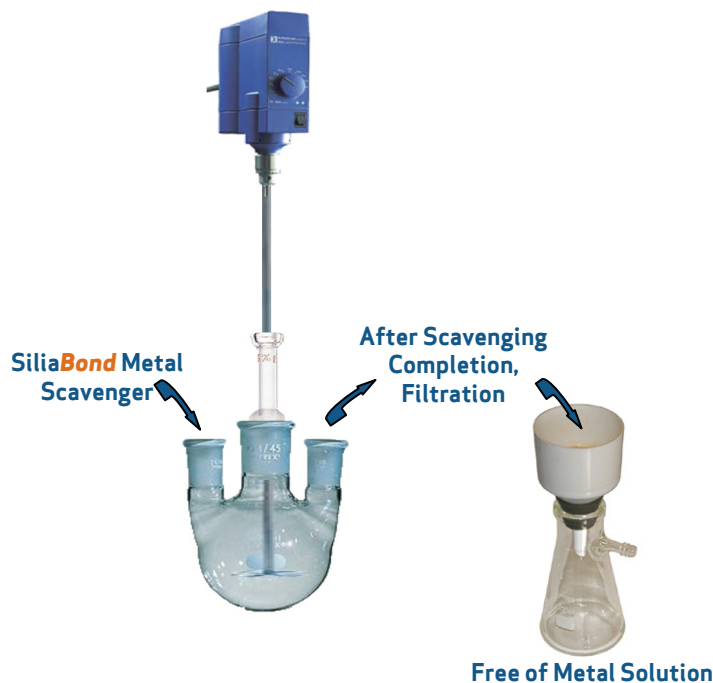
Scavengers	Format			
	SiliaBond (bulk)		SiliaPrep SPE (500mg/3mL)	
	Residual Concentration	% of captation	Residual Concentration	% of captation
DMT	26 ppm	94.8%	17 ppm	96.5%
Thiol	50 ppm	90.0%	36 ppm	92.7%

Experimental Cdns: 8 eq. of scavenger, 16h, 80 °C

Incubation overnight at 22 °C

Initial concentration: 500 ppm in Toluene

SILIA BOND PROTOCOL



SILIA PREP SPE PROTOCOL

