

FY16 SNF Cleanroom Rates

Effective Sept. 1, 2015

Activity	Description	Category			
		Stanford/SLAC	Other Academic*	Industry/Govt*	Industry: SBIR*
Equipment Rates	Base Rate \$/hour below cap	\$83.16	\$83.16	\$166.31	\$133.06
	Reduced Tool Rate \$/hour below cap	\$55.43	\$55.43	\$110.87	\$88.70
	Premium Tool Rate \$/hour below cap	\$102.00	\$102.00	\$204.01	\$163.20
	Monthly Cap (40 hours @ Base Rate)	\$3,326	\$3,326	\$6,653	\$5,322
	Notched Cap (>160 hours)	25% of hourly rates			
Staff Support	Training Recharge \$/hour	\$98.76	\$98.76	\$98.76	\$98.76
	Staff Support \$/hour	\$66.00	\$66.00	\$66.00	\$66.00
Other	Stockroom Items	Stockroom price list sheets			
*Additional Overhead/F&A charges will be applied on billing: 58% for non-Academic; 8% for non-Stanford Academic.					

Changes from FY15:

- The 3.5% annual increase was applied to FY15 rates.
- The University Facilities & Administration (F&A) overhead rate remains at 8% for non-Stanford academic use. The University overhead rate for all other external use and for organized research at Stanford for FY16 is 58% (see <https://doresearch.stanford.edu/research-administration/proposal-preparation-submission/rates>). Overhead is applied by the University to fees reported on Badger, so there may be minor overhead differences shown above due to round-off.
- Precious metals are charged per gram, and based on the spot market price, averaged over this calendar year and rounded up to the nearest \$1: Gold-\$39; Iridium-\$19; Palladium-\$24; Platinum-\$36. Precious metal use will appear as equipment charges for metallization tools.

Equipment Rates:

No-Charge Tools: The following tools are either no-charge or do not require enabling to use.

- Analytical tools: all optical microscopes, IR microscope, stylus profilometers (p2 and alphastep 500), ellipsometer (Rudolph EL4 only), nanospecs 1/2, surfscan4500, micromanipulator6000
- Ovens: 90C post-spin bake, 110C pre bake, 150C singe, and white-oven
- Solvent benches: lithosolv, solvhoo, wwebres, wbmiscres, wbsolvent (except hot plate & sonicator)
- Miscellaneous: mask cleaner, microdrill press, CNC Micromill, thermolyne furnace, uv cure

Reduced Rate Tools: "Simple" tools which are charged at 2/3 of the Base Rate.

- Wet benches: WBClean1-2, WBFlexCorr1-3, wbgene2, wbnitride, wbnonmetal, wbsolvent (hot plate & sonicator.)
- Analytical tools: prometrix, stresstest
- Litho tools: bluem oven, headway2 spinner, YES oven

Premium Rate tools: Epi2 and ASML.

Non-Capped Tool: The Raith ebeam writer is currently charged at the Base Rate, but its use is excluded from the Cap calculation. This makes the Raith consistent with the rate structure for the NovaSEM and JEOL ebeam writers in SNSF.