

# Reactor Engineering and Catalyst Testing (*REACT*) Instrumentation and Services Rates

## Standardized Instrumentation Rates (per hour)

Equipment	Internal User	External Academic User	External Commercial User
<i>Micromeritics 3Flex</i>	\$20.00	\$32.00	\$50.00
<i>Micromeritics Gemini VII</i>	\$15.00	\$24.00	\$38.00
<i>Micromeritics AutoChem III</i>	\$22.00	\$35.20	\$55.00
<i>Micromeritics AutoChem II HP</i>	\$22.00	\$35.20	\$55.00
<i>Nicolet iS50 in-situ DRIFTS</i>	\$20.00	\$32.00	\$50.00
<i>In-situ Raman</i>	\$40.00	\$64.00	\$100.00
<i>Witec Alpha300 AFM SNOM</i>	\$40.00	\$64.00	\$100.00

## Standard charges for staff running measurements for users (per run)

Equipment	Internal User	External Academic User	External Commercial User
<i>Physisorption Measurement***</i>	\$110.00	\$176.00	\$275.00
<i>TPx/Chemisorption Measurement*</i>	\$110.00	\$176.00	\$275.00
<i>IR Measurement*</i>	\$110.00	\$176.00	\$275.00
<i>Raman/AFM SNOM Measurement*</i>	Fee included in instrument reservation charge		

\* Instrument accommodates a single sample per run

\*\*\* Some instruments accommodate up to 3 samples per run

## Customizable Equipment (per day)

Equipment	Internal User	External Academic User	External Commercial User
<i>BenchCAT 4000 Reactor Station</i>	\$80.00	\$128.00	\$200.00
<i>VapourTec Liquid Reactor System</i>	\$80.00	\$128.00	\$200.00
<i>Non-Capital Equipment Rental</i>	\$27.00	\$43.20	\$67.50
<i>Capital Equipment Rental</i>	\$53.00	\$84.80	\$132.50

## Charges for Staff Effort (per hour)

Activity	Internal User	External Academic User	External Commercial User
<i>Data Analysis</i>	\$110.00	\$176.00	\$275.00
<i>System Construction</i>	\$110.00	\$176.00	\$275.00
<i>Running Customizable Equipment</i>	\$110.00	\$176.00	\$275.00