



NMR SERVICE RATES

NMR Facility
MSA 0216
Department of Chemistry
University of Western Ontario

University of Western Ontario Chemistry Liquids NMR Service Rates

Unless otherwise specified, the prices are per sample, are in Canadian dollars, and are effective until April 30, 2012.

Experiment	Academia / Non-Profit	Industry	Comments
Base Service	\$30	\$50	Base service includes: <ul style="list-style-type: none"> ■ NMR solvent^a ■ NMR tube ■ preparation of NMR solution ■ acquisition of ¹H NMR spectrum at 25 °C ■ e-mailing of raw ¹H NMR data (the ¹H NMR FID) ■ service summary report ■ sample disposal
+Additional Charges (for any additional experiments, processing or analysis above the base service)			
Variable-Temperature			
> 25 °C	\$15	\$25	Charge per temperature point. Maximum temperature is +120 °C.
< 25 °C	\$25	\$35	Charge per temperature point. Minimum temperature is -80 °C.
1D NMR Experiments^b			
¹ H	\$10	\$15	For each additional ¹ H spectrum acquired above or below room temperature.
¹³ C	\$20	\$30	Charge per experiment per temperature in addition to the base service price.
¹⁹ F	\$10	\$15	Charge per experiment per temperature in addition to the base service price.
³¹ P	\$15	\$20	Charge per experiment per temperature in addition to the base service price.
{ ¹ H, ¹ H} Selective	\$15	\$20	Includes 1D TOCSY, NOESY, or ROESY. Charge per irradiation point per temperature in addition to the base service price.
Homonuclear 2D NMR Experiments^b			
{ ¹ H, ¹ H} gCOSY	\$15	\$25	Charge per experiment per temperature in addition to the base service price.
{ ¹ H, ¹ H} TOCSY	\$20	\$35	Charge per experiment per temperature in addition to the base service price.
{ ¹ H, ¹ H} NOESY	\$50	\$100	Same price for a ROESY. Charge per experiment per temperature in addition to the base service price.
Heteronuclear 2D NMR Experiments^b			
{ ¹ H, ¹³ C} gHSQC	\$20	\$35	Charge per experiment per temperature in addition to the base service price.
{ ¹ H, ¹³ C} gHMBC	\$30	\$55	Charge per experiment per temperature in addition to the base service price.
Processing and Analysis			
Basic analysis	\$15	\$25	Includes electronic PDF plots with peak picking and integration (where applicable).
Interpretation	\$50/hour	\$100/hour	Charge for NMR facility staff to provide interpretation of the NMR spectra, spectral assignments and a written report explaining the interpretation.

^aSolvents are between 99.5% to 99.9%-d and are stored in individually sealed ampoules. Base service solvents include acetone-*d*₆, benzene-*d*₆, chloroform-*d*, deuterium oxide and dimethyl sulfoxide-*d*₆. Prices will be provided upon request for higher deuteration or other solvents such as acetonitrile-*d*₃, methylene chloride-*d*₂, methanol-*d*₄, tetrahydrofuran-*d*₈, etc.

^bNMR experiments can be performed on nuclei other than those listed in the table; prices will be provided upon request.

Note:

Each sample is charged for base service plus any additional experiments. For example, an academic client wishing to have a ¹H, ¹³C and {¹H,¹H} gCOSY experiment performed at ambient temperature (25 °C) and 37 °C would be charged:

- \$30 (base service)
- + \$20 (for ¹³C at 25 °C)
- + \$15 (for gCOSY at 25 °C)
- + \$15 (to increase temperature to 37 °C)
- + \$10 (for ¹H at 37 °C)
- + \$20 (for ¹³C at at 37 °C)
- + \$15 (for gCOSY at at 37 °C)

- \$125 (total for the sample)