

LC-MS/MS Cost Information

For regular users from the SOP or UMKC we would prefer a simple annual user fee arrangement.

	UMKC SOP	UMKC/UM	External
Simple sample prep			
Setup (per set)	\$30.00	\$40.00	\$50.00
1-5 samples/ea	\$15.00	\$20.00	\$30.00
6-10 samples/ea	\$12.50	\$17.50	\$27.50
11-20 samples/ea	\$10.00	\$15.00	\$25.00
21+ samples/ea	\$7.50	\$12.50	\$22.50
Method development			
	As per written estimate depending on complexity. Typically, \$25-\$50/hr + sample costs as listed below.		
Training/checkout (SOP and UMKC)/yr	\$250.00	\$250.00	NA
Standard sample 3200 Qtrap (<=20 min method)			
Setup (per set)	\$30.00	\$40.00	\$50.00
1-5 samples/ea	\$15.00	\$20.00	\$30.00
6-10 samples/ea	\$12.50	\$17.50	\$27.50
11-20 samples/ea	\$10.00	\$15.00	\$25.00
21+ samples/ea	\$7.50	\$12.50	\$22.50
Standard sample 4000 Qtrap			
Setup (per set)	\$40.00	\$50.00	\$60.00
1-5 samples/ea	\$20.00	\$25.00	\$35.00
6-10 samples/ea	\$17.50	\$22.50	\$32.50
11-20 samples/ea	\$15.00	\$20.00	\$30.00
21+ samples/ea	\$12.50	\$17.50	\$27.50
Standard sample QToF			
Setup (per set)	\$50.00	\$60.00	\$70.00
1-5 samples/ea	\$30.00	\$35.00	\$45.00
6-10 samples/ea	\$27.50	\$32.50	\$42.50
11-20 samples/ea	\$25.00	\$30.00	\$40.00
21+ samples/ea	\$22.50	\$27.50	\$37.50
Data Analysis			
Qtrap data/hr (2 hr min)	40/hr		
QToF data/hr (2 hr min)	60/hr		

Application areas:

The Qtraps are very good for small to medium (50 - 2000 amu) molecule quantification. Samples can be from any matrix, but biological samples need to be de-proteinated prior to analysis. 67% MeOH on ice for 10 min followed by centrifugation and transfer to autosample tubes works well.

The QToF is very good for molecule identification by high resolution mass spec, and for providing an inventory of molecules in a sample. Metabolomics experiments can be performed to compare two or more samples for changes in small molecule composition.