RBC Spectroscopic and Biophysics Core Facility

ICP-MS Sample Request Form

Date:

Faculty PI:

Cost Center/WBS:

Department/Institution:

Email:

List the protocol method or list the elements that you need analyzed* (ICP-MS cannot be used for C, H, N, O, F and Si analysis):

Sample Information:

Number of samples:

Sample Source: Other

Sample physical state: Other

If the samples are solutions, describe the solvents, buffers or acids used and their concentrations:**

*The standard protocols routinely offered are:

(A) Li, B, Na, P, S, K, Mg, Ca, Mn, Fe, Co, Ni, Cu, Zn, As, Se, Mo and Cd in He mode (collision mode),

(B) Same elements in H2 mode (higher sensitivity for Fe, Ca and Se) (reaction mode),

(C) Rare Earth Elements (Ce, Er, Gd, La, Nd, Sc, Th, U, Y, Dy, Eu, Ho, Lu, Pr, Tb, Tm, Yb and Sm).

Methods A and B use Ga as internal standard (IS), method C uses Bi as IS.

** It is highly recommended that a sample blank be submitted along with the samples. An empty sample holder might also be advisable for solid samples to determine if extractable trace metals are present.

Please email or return completed form to jseravalli1@unl.edu. Core personnel will respond within 24 h.

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