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## Supporting Information

Table A1. In vitro NNF data for the concentrations of various elements in TSB medium.

Element	Slope	Intercept	Regression coefficient
Cd	0.86	0.31	0.9990
Co	0.74	2.10	0.9991
Cu	1.24	4.42	0.9977
Sr	0.84	12.28	0.9983
Pb	0.65	0.91	0.9952

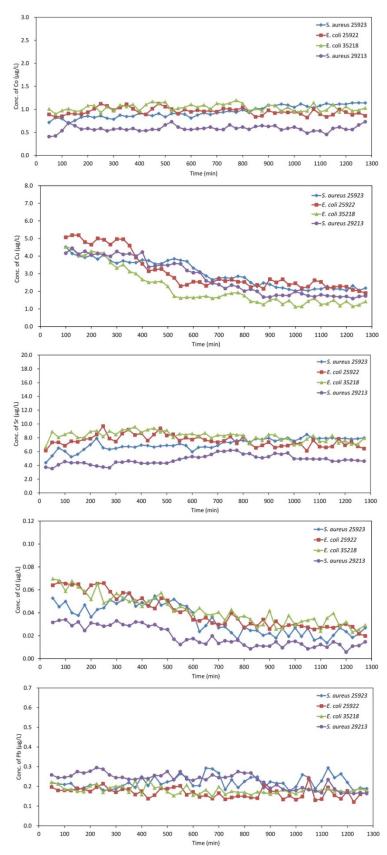


Figure A1. Variations in concentrations of metal ions during bacterial growth in inoculated TSB solutions, as determined using the proposed MD/ICP-MS system.