

Instrumentation for testing whether the icy moons of
the gas and ice giants are inhabited

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Abstract

Evidence of life beyond the Earth may be closer than we thought, since the forthcoming missions to the Jovian system can probe the Europa icy surface with a reliable biomarker, in spite of its strong radiation environment. Analogous biomarkers may be relevant beyond Europa on the icy moons of the ice giants. In the Appendix we summarize why sulfur is a reliable biomarker that approved missions, as well as those presently under study, will be able to measure.