

Recovery of Nucleic acid from Iron Oxide Complexed Clay Environments

Disclosure Number

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Technology Summary

The subject invention is a process for recovering nucleic acids from environments that have been described as refractory, recalcitrant, or intractable to molecular analysis. Specifically, vast environments comprised primarily of clay particles commonly yield little (non-iron complexed clay environments) or no (iron complexed clay environments) nucleic acids based on prior art. The process has been shown to improve DNA recovery from environments containing clay particles by > 100%, and supports exceptional nucleic acid recovery from environments comprised primarily of clay, where prior effort has yielded nothing.

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