Resource Summary Report

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Gel Electrophoresis

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Proper Citation

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Protocol Information

URL: https://dx.doi.org/10.17504/protocols.io.7eehjbe

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Group: iGEM Wageningen 2019

Summary: Gel electrophoresis is the standard lab procedure for separating DNA by size (e.g., length in base pairs) for visualization and purification. Electrophoresis uses an electrical field to move the negatively charged DNA through an agarose gel matrix toward a positive electrode. Shorter DNA fragments migrate through the gel more quickly than longer ones. Thus, you can determine the approximate length of a DNA fragment by running it on an agarose gel alongside a DNA ladder (a collection of DNA fragments of known lengths).

Affiliations: Wageningen University

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