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(54) Title: USE OF DRIED SODIUM HYDROXIDE TO DENATURATE DOUBLE STRANDED DNA

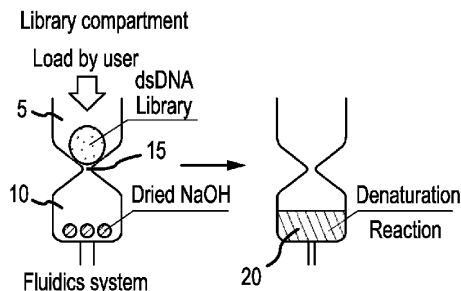


FIG.1A

(57) Abstract: This application relates to methods of denaturing double-stranded DNA (dsDNA). In some examples, the methods utilize dried sodium hydroxide. In some examples, the method includes loading dsDNA into a first portion of a cartridge, wherein the second portion of the cartridge contains sodium hydroxide in a dry form; and mixing the dsDNA with the sodium hydroxide, thereby denaturing the dsDNA.

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