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(54) Title: INTEGRATED SAMPLE PREPARATION SYSTEMS AND STABILIZED ENZYME MIXTURES

(57) Abstract: Provided are integrated sample preparation systems and stabilized enzyme mixtures. In particular, micro fluidic cards configured for processing a sample and generating DNA libraries that are suitable for use in sequencing methods (e.g., next generation sequencing methods) or other suitable nucleic acid analysis methods are provided. Also provided are stabilized enzyme mixtures containing an enzyme (e.g., an enzyme used in whole genome amplification), BSA, and a sugar. Such enzyme mixtures may be lyophilized and stored at room temperature without significant loss of enzyme activity for months.



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