AUTOMATED SYSTEM FOR HIGH-THROUGHPUT
ELECTROPHORETIC SEPARATIONS

Abstract of the Disclosure

A cassette is disclosed for use in performing electrophoretic separations on a solid substrate. The cassette includes reservoirs for containing buffer, electrodes for receiving electrical current and a substrate support. The cassette is designed to connect with external fluid and electrical sources. A method of conducting electrophoresis separation in both one and two dimensions using a cassette is also disclosed. Furthermore, a novel apparatus for use in performing electrophoresis separation is disclosed. The apparatus is preferably of modular construction with a docking station for receiving a cassette.