

Title (en)  
IMPROVED MOLECULAR BIOLOGICAL PROCESSING SYSTEM

Title (de)  
VERBESSERTE MOLEKULARBIOLOGISCHE PROCESSANLAGE

Title (fr)  
INSTALLATION AMÉLIORÉE DE TRAITEMENT BIOLOGIQUE MOLÉCULAIRE

Publication  
**EP 2109499 A2 20091021 (DE)**

Application  
**EP 07857168 A 20071231**

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Abstract (en)

[origin: WO2008080629A2] The invention relates to an improved molecular biological processing system, and to an improved method for processing biological samples. The invention combines the provision of biologically functional molecules, such as nucleic acids and peptides, and derivatives or analogs of these two molecule classes, in miniaturized flow cells with the serial addition of reagents or fluids, and serves the processing of biological samples, such as proteins, nucleic acids, biogenous small molecules, such as metabolites, viruses, or cells, which are incorporated in the miniaturized flow cells for this purpose. The invention further relates to a method and to the use of the molecular biological processing system according to the invention for the detection and/or for the isolation of nucleic acids; for sequencing; for point mutation analysis; for the analysis of genomes and/or chromosomes; for the production of synthetic nucleic acids; for the production of arrays of primers, probes, and/or antisense molecules; and further analytical and synthetic methods.

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