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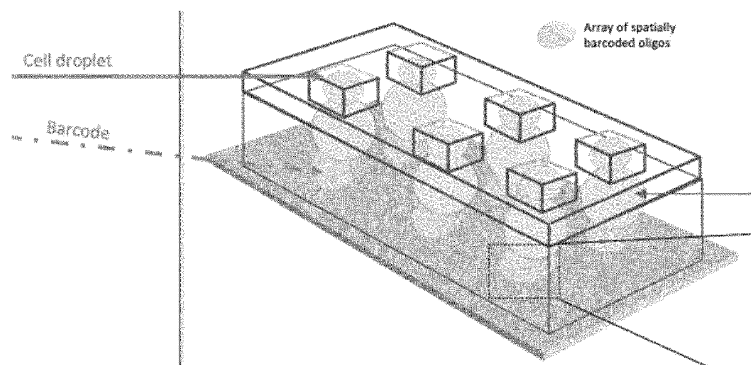
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(54) Title: MICROFLUIDIC METHODS AND SYSTEMS

Fig. 1



(57) Abstract: The invention relates to a microfluidic system comprising: a) a solid support comprising at least a first group of oligonucleotides, i. wherein each oligonucleotide in said group comprises a nucleic acid sequence of a first type, of a second type and/or a further type, ii. wherein said nucleic acid sequence of a first type is a barcode sequence, iii. and oligonucleotides comprising the same barcode sequence are grouped together in a group of oligonucleotides on said solid support, iv. wherein the first and further oligonucleotide groups are spatially separated on said solid support, b) wherein said one or more groups of oligonucleotide groups on said solid support are within separate reservoirs of the microfluidics system, c) wherein the one or more reservoirs are accessible to fluids, cells, chemicals and/or microdroplet by means of channels, and d) wherein each reservoir comprises comprising a group of oligonucleotides on said solid support is also trap for a microfluidic droplet.

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