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ABSTRACT

A gene sequencer, bio-compact disk and sample preparation methodology is described. Constant length oligonucleotides are prepared and, in conjunction with the bio-compact disk and apparatus described, used in gene sequencing and strategies therefor. The bio disk body has a center portion and a periphery, a plurality of first spiral channels extending from the center portion towards the perimeter to form a clockwise spiral panel of channels and a plurality of second spiral channels extending from the center portion towards the perimeter to form a counter clockwise spiral pattern of channels, the first and second spiral channels intersecting a plurality of locations to provide a plurality of reaction sites.

Figure 7