

Table 1  
Matrixes Used in the Invention

Matrix	Linear poly-acrylamide (%w/w)	Denaturant composition	Buffer Composition
MegaBACE Gel Matrix (HEC) (Amersham/Pharmacia)	-	6M urea, 10% (w/w) formamide	30mM Tris:100mM TAPS: 1mM EDTA
MegaBACE™ Long read matrix (Amersham/Pharmacia)	3%	6M urea	30mM Tris:100mM TAPS: 1mM EDTA
LPA formulation LPA-PYR	2.0%	6M urea, 20% (w/w) 2-pyrrolidinone	30mM Tris:100mM TAPS: 1mM EDTA
LPA formulation LPA-DMA	2.0%	6M urea, 20% (w/w) N',N'-dimethylacetamide	30mM Tris:100mM TAPS: 1mM EDTA
LPA formulation LPA-DMF	2.0%	6M urea, 20% (w/w) N', N'-dimethylformamide	30mM Tris:100mM TAPS: 1mM EDTA