

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 |