

MATRICES For Sequencing

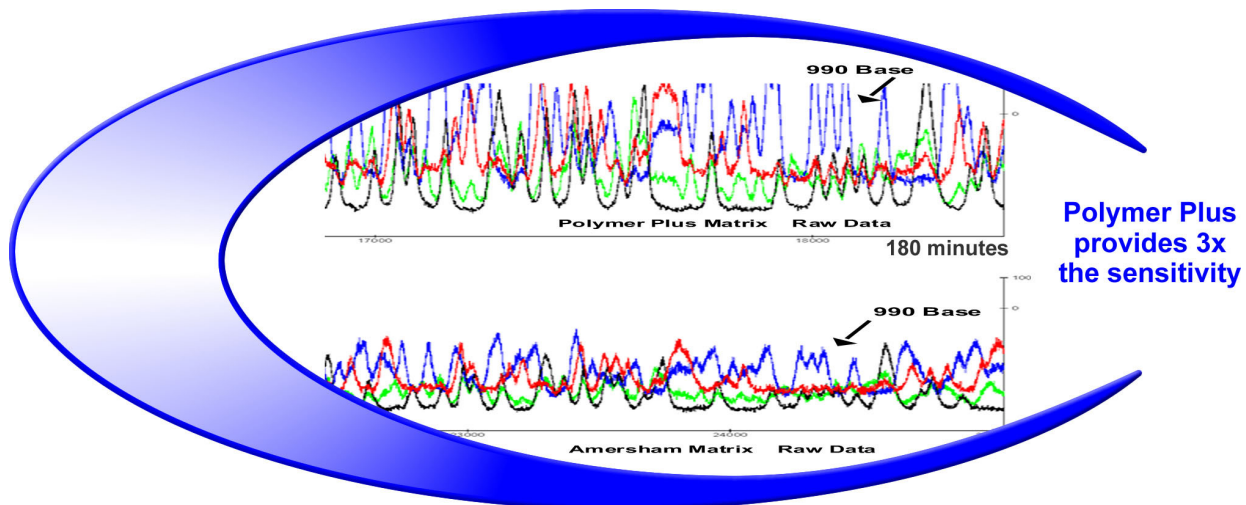
Poly Net, Inc. produces a family of replaceable polymer matrices for capillary electrophoresis using the highest quality standards of material and workmanship. It is primarily used for DNA sequencing/genotyping in Amersham's MegaBACE™ /Beckman Coulter capillary electrophoresis machines.

The polymer is available in two optimized versions depending on the application.

Polymer Pro is for genotyping and sequencing separations. It is functionally equivalent to Amersham's long read matrix™ but is economically superior. A non-denaturing version is also available.

Polymer Plus is an ultra-long read sequencing matrix which increases sensitivity threefold and produces readlengths that average **1200 bases**. Normal production samples produce an estimated **900+ Phred Q20** bases.

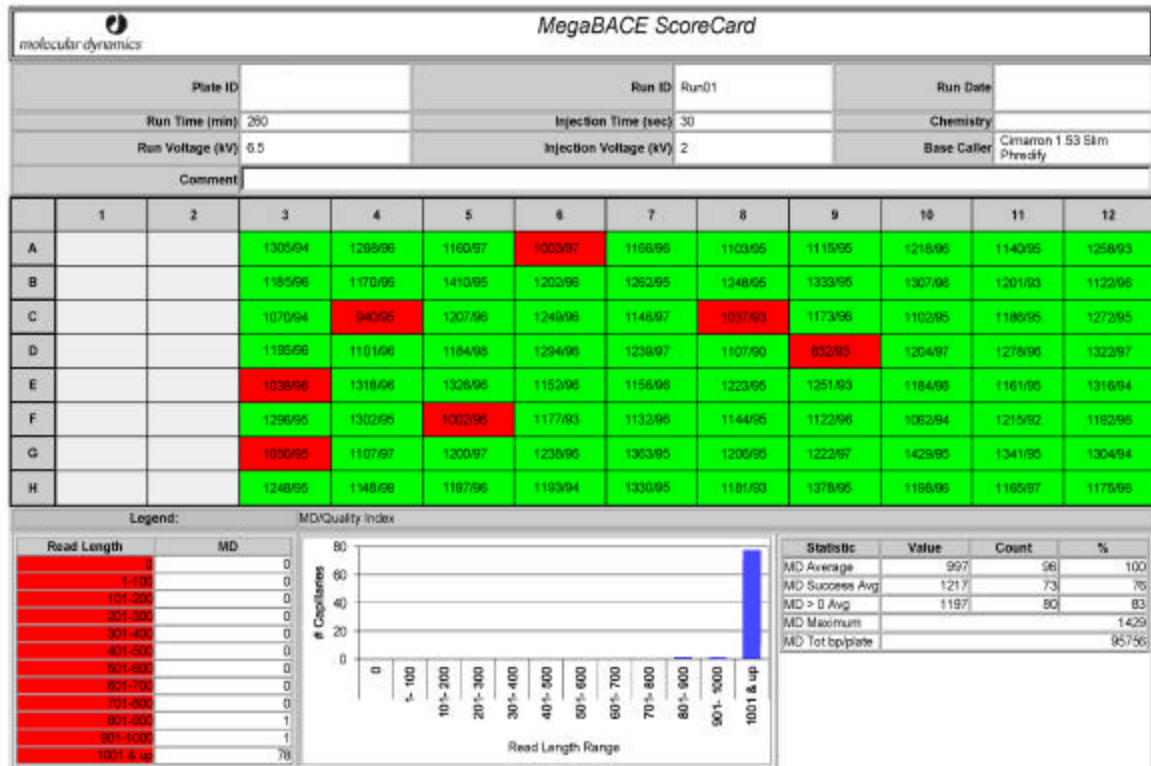
Polymer Plus will rejuvenate MegaBACE™ 1000/4000 machines by producing longer read lengths than the new ABI 3730 or MegaBACE™ 4500 machines. Examples of data quality generated by a standard MegaBACE™ 1000 are displayed below and on the reverse side.



Polymer Plus Produces 1217 Base Average Read Length

Typical Polymer Plus Run on a MegaBACE™ 1000

Using the following conditions: Sample pGem-3Zf+ Puc/M13,
ethanol precipitation ABI v 1.1 dye terminators,
Running conditions 6.5 kV at 44°C and 6 M urea



Typical Example of a Polymer Plus Separation

