Sage ELF™

DNA Fractionation for NGS

Separate a DNA sample into Twelve Contiguous Size Fractions

Features:

- Reproducible collection of contiguous DNA fractions
- Flexible programming
- Pulse field electrophoresis allows fractionation of HMW DNA

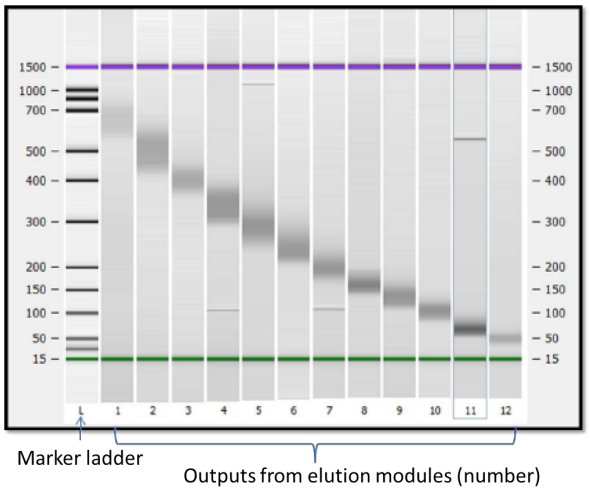
Benefits:

- Generates discrete insert sizes for mate-pair sequencing
- Collects narrow size-distributed fractions while preserving remaining sample
- Saves labor, requires minutes of hands-on time to use

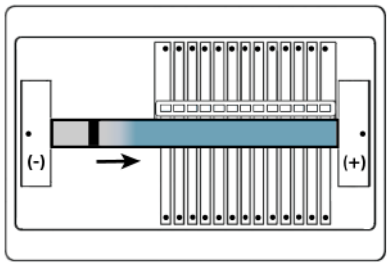
1. Load sheared DNA into 1or 2 disposable pre-cast gel cassettes and set a run threshold in software.

The Sage ELF System

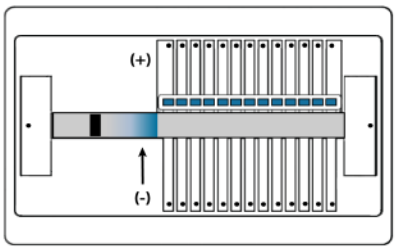
2. Fractionate DNA into 12 sub-samples using electrophoretic lateral fractionation.



Bionalyzer analysis of fractions collected with the Sage ELF from a restriction digest of E.coli genomic DNA.



Separate DNA in an agarose gel column



Fractions are electro-eluted into 12 membrane-bound wells

3. Collect the target fractions, in buffer, with a standard pipette.

sage science

Sage Science, Inc. Suite 3150 • 500 Cummings Center • Beverly, MA 01915
support@sagescience.com • www.sagescience.com
888.744.2244 (U.S) • 978.922.1832 (outside North America)