

MegaPulse™


>1 Mb

MAX RESOLUTION

7

PRE-SET PROTOCOLS

2 Gels

SIMULTANEOUSLY

FIGE & ZIFE

MODES

0.5 kb–1.6 Mb

SIZE RANGE

OVERVIEW

Zero-Integrated-Field Electrophoresis (ZIFE) enables megabase-range DNA analysis in a standard agarose slab gel apparatus. ZIFE simultaneously switches field magnitude, direction, and pulse time so that the time-integrated net field is near zero - resolving DNA fragments from 15kb to over 1.6 Mb that are unresolvable by conventional FIGE.

KEY-FEATURES

- QC and profile analysis of sheared genomic DNA
- Resolves full ranges of HMW DNA up to 1.6 Mb
- Preset protocols and easy-to-use touchscreen interface
- Runs standard DC electrophoresis gels
- Standard equipment size requires minimal bench space

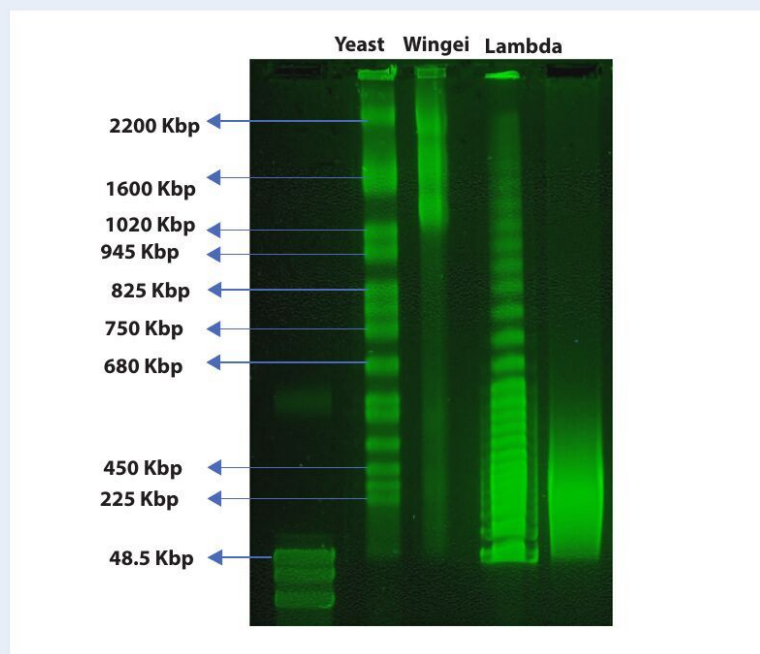
PRE-SET PROTOCOLS

Size Range	Run Time	Mode
0.5 – 15 kb	8 hr	FIGE
10 – 48 kb	9 hr	FIGE
5 – 80 kb	14 hr	FIGE
5 – 150 kb	16 hr	FIGE
5 – 430 kb	16 hr	FIGE
15 – 1,000 kb	19.5 hr	ZIFE
15 – 1,600 kb	24.5 hr	ZIFE

Megabase Resolution. Standard Gel Box.

Complete HMW DNA analysis
in a single, compact instrument.

Seven Pre-validated protocols covering
0.5 Kbp to 1.6 Mb.


MGP0200

MegaPulse P/N

±150 V / 100 mA

POWER OUTPUT

10H × 25W × 25D cm

DIMENSIONS

Windows PC

REQUIRED

PGB1000

GEL BOX P/N