

Specification for DCODE-electrophoretic system for

1. Single-stranded conformation polymorphism (SSCP)
2. Denaturing gradient gel electrophoresis (DGGE)
3. Constant denaturing gel electrophoresis (CDGE)
4. Temporal temperature gradient gel electrophoresis (TTGE)

Flexible and powerful, with a temperature control module for techniques requiring accurate temperature control, such as SSCP and TTGE, the gels are to be immersed in the buffer, and temperatures are regulated between 5° and 70°C.

Windows based Software recommended for all DGGE, CDGE, TTGE, and SSCP for reagent kits are customized for each application to ensure the highest-quality buffers and acrylamide along with technical notes and training guide

Components	
Tank, core, and clamps	Tank: molded polycarbonate; core: molded polysulfone; clamps: molded glass-filled polycarbonate
Gradient former	Cast acrylic and aluminum
Lid	Polycarbonate
Electrodes	0.010" diameter platinum
Electrical leads	Flexible, straight
Glass plates	20 x 20 cm (20 cm format inner plate)
Gel sizes	16 x 20 cm (maximum two per run)
Spacers available	0.75, 1.0, 1.5 mm
Combs	16-, 20-, 25-, and 32- (1 mm only) well combs, and 1- well comb (prep comb for perpendicular gradient gels)
Casting stand	Casts two 16 x 16 cm, two 16 x 10 cm, two 16 x 20 cm, or four 7.5 x 10 cm gels per setup
Heater and control	Temperature control (PID type) $\pm 0.5^{\circ}\text{C}$ variation within gel area, $\pm 0.5^{\circ}\text{C}$ actual in the range of 45–70°C

Maximum set temperature	70.5°C
DC voltage/power limit	500 V DC voltage limit; 50 W power limit
Dimensions (W x D x H)	Lid and tank assembly: 39 x 20 x 42 cm
Weight	16 kg (35.3 lb)
AC power requirement	AC power input: 120 VAC 47–63 Hz, 5 A slow-blow fuse
DC power requirement	External DC voltage power supply; power supply must be ground isolated in such a way that DC voltage output floats with respect to ground
Maximum voltage limit	500 V DC
Maximum power limit	50 W
Storage environment	0–70°C, humidity 0–95% (noncondensing)
Operating environment	0–35°C, humidity 0–95%
Regulatory	Meets requirements of IEC 1010-1 and FCC, Class A
Size and weight	22 x 21 cm (W x H); 2.28 kg (5 lb)
Capacity	50 ml total (25 ml/syringe)
Software	Windows 10 based Software recommended for all DGGE, CDGE, TTGE, and SSCP
PC	Suitable PC with i5 or higher processor should be included in the quote
Warranty	1 year