Soellex® 2.0 Thermal Cycler

(For research use only. Not for use in diagnostic procedures.)

Thermal cycle up to 230,400 reaction wells in a single process!

The Soellex 2.0 is a high capacity PCR thermal cycler comprised of a three-chamber water bath. The heating system in the Soellex 2.0 tightly controls the temperature delivering efficient and rapid energy transfer from the water through the Array Tape® and to the samples.

Soellex 2.0

Capacity

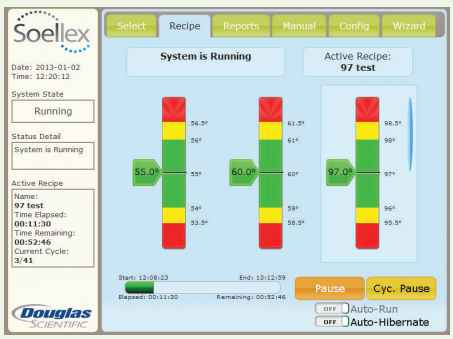
The Soellex 2.0 capacity ranges from one to three dunker spools of Array Tape, each with up to two-hundred 384-well arrays, giving the Soellex 2.0 the capability to thermal cycle up to 230,000 reaction wells in a single process.

Intuitive User Interface

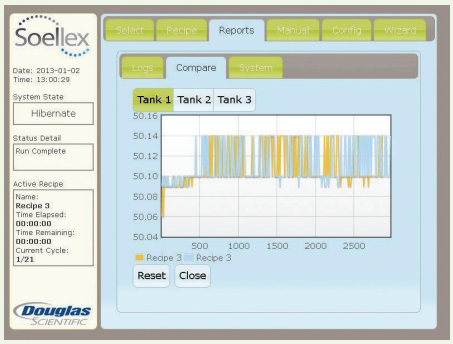
The touch screen user interface is simple, yet feature rich, providing the control necessary for process requirements.

Features include:

- Intuitive run progress
- Thermal cycling protocol programming wizard
- Customizable alarms and warnings
- Remote computer monitoring and notification
- Reports generation and log file reviewer



Active Recipe Screen



Sample Report

Energy Savings

High throughput processing of up to 230,400 samples in Array Tape requires one Soellex 2.0 water bath—replacing the 18 water baths (32 plate capacity) or 150 block heaters (384-well) required to process the same number of samples in microplates. These energy and space saving benefits put high throughput laboratories well on their way to achieving significantly greener, more environmentally sound operations.

Chemistry

The Soellex 2.0 supports all common end-point PCR chemistries and protocols including standard, fast and touchdown.

Versatile Attachments

The Soellex 2.0 system design is versatile and supports PCR processing in traditional microtiter plates as well as in Array Tape. The Soellex 2.0 can be used to process up to 152 microplates (384-well, 11 mm tall) in a single run using the Plate Basket attachment. Application-specific Dunker Spools facilitate Array Tape compatibly between the Nexar® and Soellex 2.0.

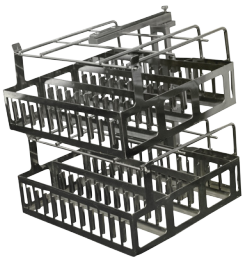


Plate Basket

Dunker Spools

Soellex 2.0 System Specifications

GENERAL	Length: 188 cm (75”) Depth: 89 cm (34”) Height: 201 cm (81.5”) Dry Weight: 794 kg (1,750 lbs) Wet Weight: 1,077 kg (2,375 lbs)
UTILITIES:	
Power Options	• 240 V, single phase, 100 A (preferred) • 400 V, three phase, 40 A • Other configurations are available
System Fluid Options	• R.O. Water (preferred) Standard — Minimum Grade ASTM Standard (ASTM D1193-91) — Type III ISO Standard (ISO 3696) — Grade 3 Clinical Laboratory Standards Institute (CLSI - CLRW) — Type 3 *Note: Commercial/industrial R.O. water systems typically meet these requirements.* • DI Water • Individual tank volumes: 102.2 L (27 gal)
System Drain	• Floor drain (preferred)
Cooling Options	• Tap water inlet with drain outlet • 2–3 GPM (7.57 - 11.36 LPM) minimum at 5–60 PSI (0.34 - 4.14 bar) for cooling water supply
Exhaust Options	• Air extraction via 8” (200 mm) duct connection at 400 cfm • Exhaust directly into room environment
CERTIFICATIONS	CE

www.lgcgroup.com/genomics • genomics@lgcgroup.com

Science for a safer world

Brazil • Bulgaria • China • France • Germany • Hungary • India • Ireland • Italy • Netherlands
Nordic countries • Poland • Romania • Russia • South Africa • Spain • Turkey • United Kingdom • USA