

X-CLARITY™ Hydrogel Solution Kit C1310X – 1 kit

The X-CLARITY™ Hydrogel Solution Kit is a pre-tested hydrogel solution for uniform and consistent tissue-hydrogel hybridization. The kit is composed of X-CLARITY™ Hydrogel Solution and X-CLARITY™ Polymerization Initiator .



X-CLARITY™ Hydrogel Solution

C13103 – 1 x 1 L

The X-CLARITY™ Hydrogel Solution is a ready-to-use acrylamide-based solution used to create polyacrylamide. X-CLARITY™ Hydrogel Solution contains no bis-acrylamide or paraformaldehyde.



X-CLARITY™ Polymerization Initiator

C13104 – 1 x 2.5 g

The X-CLARITY™ Polymerization Initiator is a thermal free radical initiator that releases free radicals when heated in solution to initiate the polymerization of hydrogel monomers.

X-CLARITY™ Polymerization System C20001

The X-CLARITY™ Polymerization System is a standalone, automated system developed to simplify tissue-hydrogel hybridization, a crucial step for optimal tissue clearing. Multiple samples can be placed in multi-well plates or conical tubes for rapid and efficient high-throughput sample processing. Users can control polymerization by adjusting vacuum strength, temperature, and a timer through a simple touchscreen interface.



- ✓ High throughput (up to 768 samples/run)
- ✓ Compatible with various vessels
- ✓ Fully automated vacuum and temperature control
- ✓ Rapid and consistent polymerization

Comes with your choice of two heat blocks



X-CLARITY™ Heat Block
for 6 x 50 mL tubes

C20002

92 x 134 x 75 mm / 1.9 kg



X-CLARITY™ Heat Block
for flat-bottom plates

C20003

92 x 134 x 78 mm / 2.5 kg



Touchscreen interface. The simple touchscreen interfaces gives users precise control over vacuum pressure, temperature, and polymerization time.



Compatible with multiwell plates and conical tubes. Users can select the combination of heat blocks to use with the system.

X-CLARITY™ Polymerization System Specifications

| | |
|------------------------|--|
| Display | 5" TFT LCD |
| Temperature Range | RT - 60°C |
| Temperature Accuracy | ±0.3°C |
| Vacuum Range | -90 - 0 kPa |
| Power Consumption | 312 W |
| Applicable Power | AC 100-240 V, 50/60 Hz |
| Dimensions (W x D x H) | Exterior: 332 x 430 x 222 mm Interior: 307 x 137 x 140 mm |
| Weight | 28 kg |