

NEW!
Faster & Smaller



ESH TOUCH

The next generation of **Electrophoresis Sample Handler** joins the Touch Series of analyzers as part of **Helena's integrated solution** for high volume electrophoresis workloads. Like its predecessor, **ESH Touch** provides automated front-end specimen processing for the SPIFE Touch with positive patient ID and interface to QuickScan Touch or LIS - but in a smaller, faster, quieter, more flexible and user-friendly package.

ESH Touch transfers samples directly from primary patient tubes to barcoded sample trays, ready for application to agarose gels by the SPIFE Touch. A 100-sample capacity accommodates the largest SPIFE Touch gels and dilution schemes for each sample can be specified. A touch-screen interface makes the system easy to use.

FEATURES

- User-friendly touch screen interface
- Primary tube sampling with liquid level sensor
- Barcode reader with LIS interface for positive ID
- 100-sample capacity
- Flexible dilutions, i.e. per sample
- Smaller footprint
- 50% faster sample tray preparation
- Improved level and tube detection
- Quieter operation

www.helena.com | helena@helena.com

800-231-5663

ESH TOUCH

Performance Specifications

Electrophoresis Instruments: SPIFE 3000, SPIFE Touch

Densitometer Instruments: QuickScan Touch

Input Power: Cat. No. 1380: 90 to 264 Vac, 47 to 63 Hz

Fuses: F1, F2: 6.3A T/250V

Dimensions: ≤ 21 in. (46 cm), High ≤ 25 in. (76 cm) Wide,
≤ 24 in. (66 cm) Deep

Weight: ≤ 100 lb. (45 kg)

Operating Environment: 15° to 27°C (59° to 81°F) Altitude 2000 m,
Humidity 20-80%, non-condensing

Storage / Shipping Temperature: -9.4°C at uncontrolled humidity
to 60°C at 80% humidity (15° to 140°F)

Shipping Altitude: 4,267 meters (14,000 feet)

Pump System: 2 peristaltic pumps, 1 syringe pump

Computer System: Internal computer, hard drive, 4 external USB
ports, 2 external RS232 connections, touchscreen capable monitor

Test Tubes:	
Test Tube Type	Minimum Volume
13 x 75 round bottom	150 µL
16 x 100 mm round bottom	300 µL
13 mm conical bottom	75 µL
13 mm serum separator tubes	min. volume 500 µL above plug
16 mm serum separator tubes	min. volume 800 µL above plug

Electrophoresis Instrument and LIS Interfacing:	
Programmable baud rate:	1200, 2400, 4800, 9600, 14400
Programmable data bits:	7, 8
Programmable stop bits:	1, 2
Programmable parity:	None, Odd, Even
Programmable protocol:	None, XON-XOFF, ASTM



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