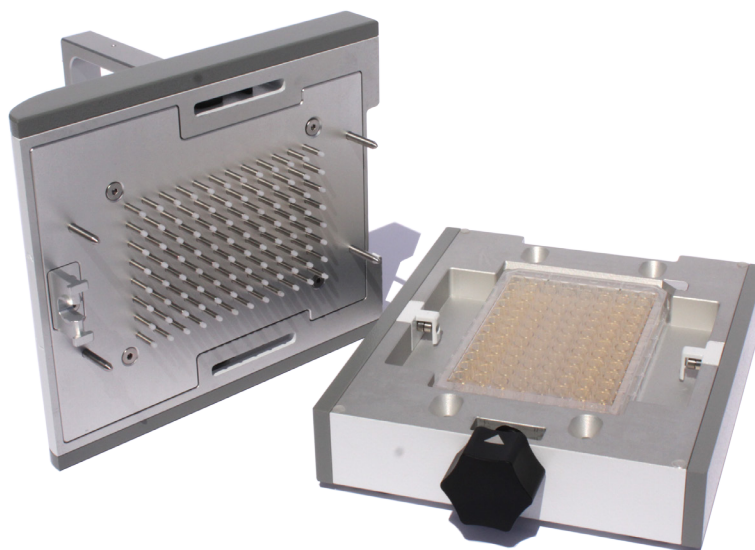


AccuWound 96 and E-Plate WOUND 96: For high throughput scratch wound healing assays

Using spring-loaded Teflon™ pins that make contact with the bottom of microtiter plate wells, combined with a mechanism for precisely dragging these pins laterally across the well bottoms, the AccuWound 96 scratch tool simultaneously produces identical scratch wounds in every well of a 96-well microtiter plate. Requiring just 10 seconds of hands-on time to produce the scratch wounds, AccuWound simplifies workflow and improves efficiency compared to manually-producing scratch wounds. By consistently producing wounds of identical size and shape, the AccuWound also significantly improves precision/reproducibility, with coefficients of variation that are ~4% (compared to ~20% for manually-produced scratch wounds).

The E-Plate WOUND 96 is an electronic microtiter plate that has specifically been optimized for use with the AccuWound 96 tool. Once scratch wounds have been generated, the E-Plate WOUND 96 is placed inside an xCELLigence® SP or MP instrument to monitor cell migration/wound healing in real-time. The simple workflow, automated data acquisition, high reproducibility, and quantitative kinetics of this assay make it a game changer for diverse applications, including but not limited to:

- Cell migration
- Wound healing
- Metastasis
- Drug screening
- Cell-cell interactions
- Cell-matrix interactions
- Angiogenesis



AccuWound 96 Scratch Tool

Dimensions:

- 16.7 cm wide
- 22 cm deep
- 6.7 cm tall (handle in horizontal position)
- 15.3 cm tall (handle in vertical position)

Weight: 3.5 kg

Materials:

- Aluminum (base and lid)
- Teflon™ (scratch pins)

E-Plate WOUND 96

Dimensions: W 12.77 cm x D 8.55 cm x H 1.75 cm (with cover)
– Footprint complying with ANSI/SBS 1-2004 requirements

Well Spacing: 9 mm center-to-center as per ANSI/SBS 4-2004 standard

Well Volume: 243 µl ± 5 µl

Well Bottom Diameter: 5.0 mm ± 0.05 mm

Electrical Interface: Compatible with RTCA SP and MP Stations

Materials: Polystyrene well plate, glass sensor substrate, UV irradiated

Environment: Temperature +15°C to +40°C relative humidity 98% maximum without condensation

**For life science research only.
Not for use in diagnostic procedures.**

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