INNOVATIVE SLIDE FORMATTING AVAILABLE IN 5 CONFIGURATIONS

INNOVATIVE SLIDE FORMATTING

SlideImprinter

12 Wells
CAT# WSP12-1
40 ul volume per well

16 Wells
CAT# WSP16-1
60 ul volume per well

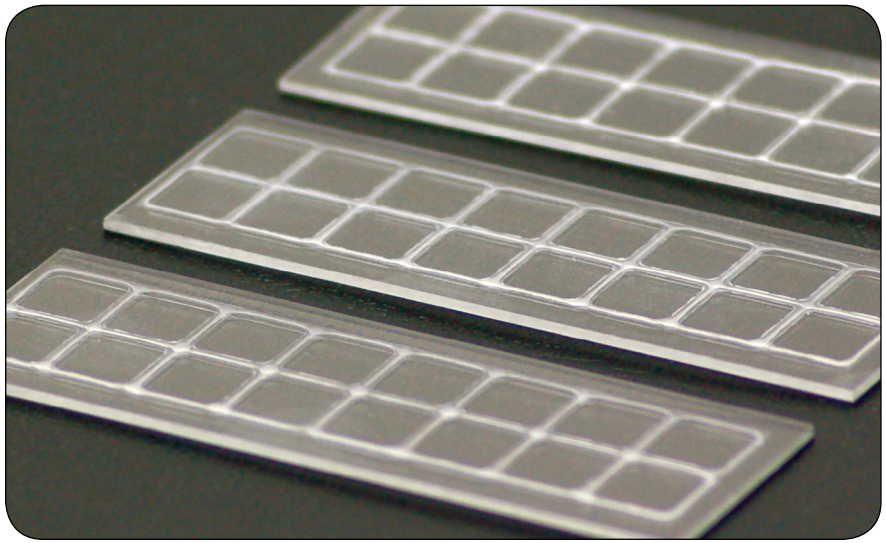
48 Wells
CAT# WSP48-1
6-7 ul volume per well

60 Wells
CAT# WSP60-1
5 ul volume per well

192 Wells
CAT# WSP192-1
1-1.5 ul volume per well

Custom Design
CAT# CUST-1

SlideImprinter



- A convenient way to create multiple wells on a single microscope slide
- Enables the processing of multiple samples on each slide
- Many well designs available

Accessories

Replacement Stamps
CAT# WSP12-R
12 Wells

CAT# WSP16-R
16 Wells

CAT# WSP48-R
48 Wells

CAT# WSP60-R
60 Wells

CAT# WSP192-R
192 Wells

Hydrophobic Wax - Low Temp.
CAT# HWAX

DNA Wax - High Temp.
CAT# DWAX

Test Slides - 72/pkg
CAT# TSLD

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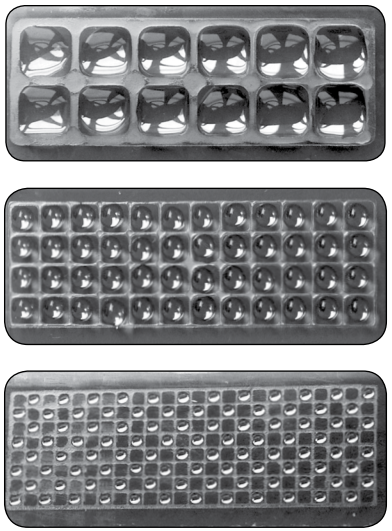
What is SlideImprinter?

The SlideImprinter is a much more effective and productive way to partition slides used in laboratory and microarray analysis. This instrument is ideal for high throughput screening where multiple assays need to be run on a single examination slide with minimal risk of contamination between assays.

US Patent 11/288,588



Samples of 12, 48 & 192 wells

Traditionally, rubber gaskets (with or without adhesive), hydrophobic markers, or manufactured (teflon) barriers have been used to segregate slide areas. Gaskets without adhesive may not seal well. Gaskets with adhesive may also leak as the adhesive can be soluble in some solvents and interfere with the experiments. Gaskets also need to be removed before scanning which can cause the entire slide coating to peel. Hydrophobic markers (PAP pens) are very tedious and messy to apply, can be soluble in certain solvents, and the resulting slides are often irreproducible and inaccurate. Lastly, manufactured barriers are expensive and not flexible to design.

The SlideImprinter provides a convenient way to define multiple "wells" on a single microscope slide to create separated region for sampling. This is done through imprinting a thin, inert, hydrophobic film line onto the surface of a slide through the use of a designed "stamp."

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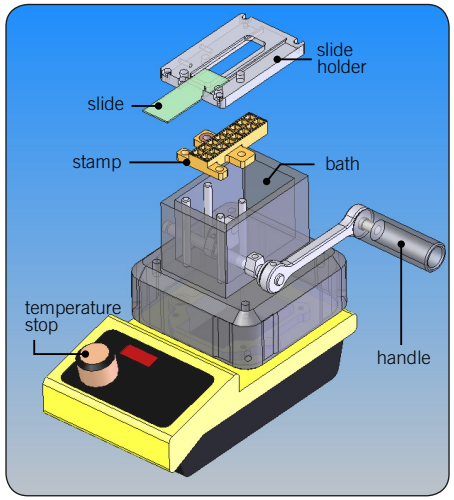
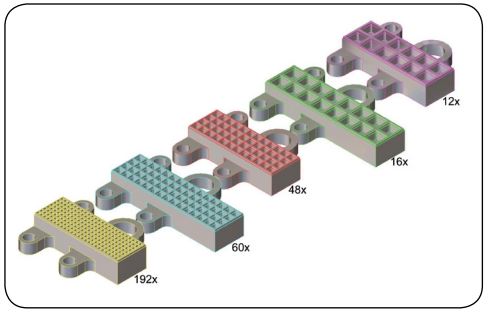
How does SlideImprinter work?



1. Prepare the SlideImprinter by melting the hydrophobic solution and loading the desired stamp
2. Insert microscope slide face-down into holder
3. Pull handle to elevate stamp and imprint the slide with hydrophobic boundaries
4. Release handle and remove slide

The stamp is immersed in a bath. A slide is inserted into the slide holder above the bath. The stamp is lifted to meet the slide, imprinting barrier lines. Since the deposits are thin, the resulting slide with lines can be inserted directly into a slide scanner without any modifications. The coating, being highly hydrophobic, does not dissolve in most solvent systems, and will stay on the slide through multiple wash steps.

The SlideImprinter system offers flexibility in slide partition design, adhesion with any slide surface chemistry, and stability in most solvents through repeated washes. In addition, the hydrophobic boundaries are chemically inert and do not need to be removed prior to scanning.



Five stamp configurations available:
12, 16, 48, 60 & 192 wells.
Custom designs are also available.