

Slide Spotting Robot

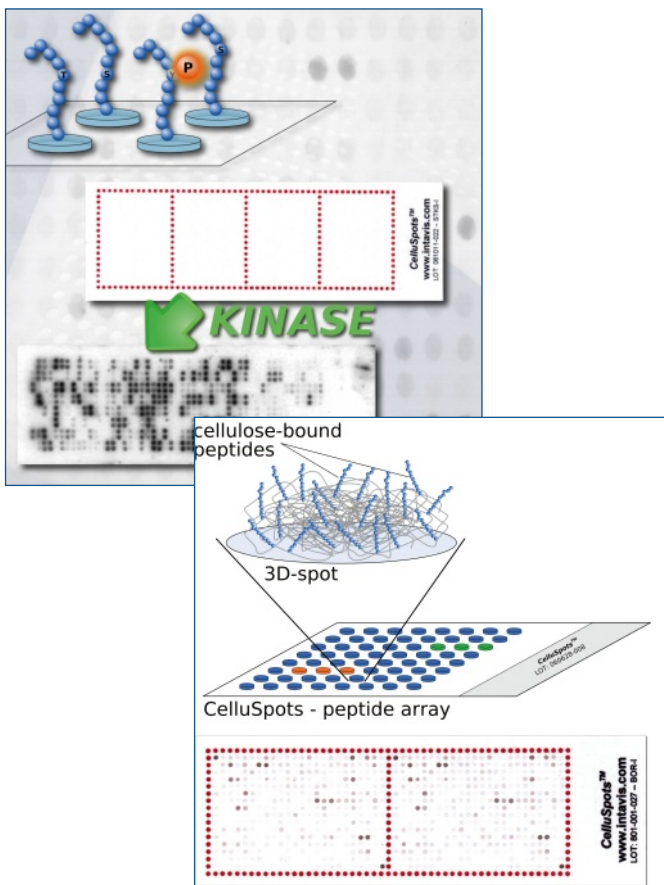
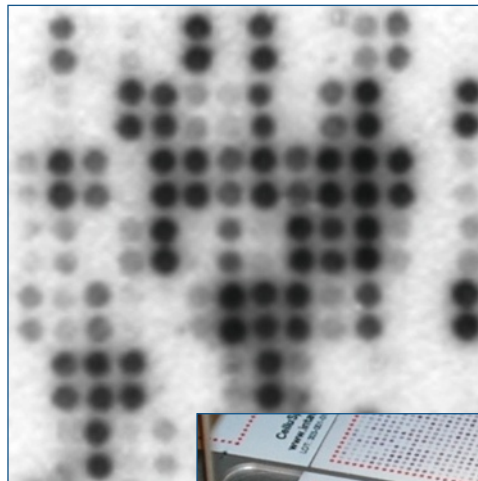
Create Custom Arrays or Dot Blots



Spotting of arrays and blots

Arrays and dot blots are common methods to detect binding events of a wide variety of molecules to spotted nucleic acids, antibodies, proteins or peptides in a highly parallel manner. The **Slide Spotting Robot** is a versatile platform to create custom arrays or dot blots adapted to your research. Up to 1100 spots can be placed on the area of a microscope slide. Arrays can also be created on surfaces which are not flat but have a 3-dimensional structure.

- Freely definable array layouts
- Up to 60 spots per cm²
- Aqueous and organic solvents



CelluSpots™ peptide arrays

One application of the **Slide Spotting Robot** is the production of **CelluSpots™** arrays, a new patented method to create hundreds of identical peptide arrays on microscope slides from one initial synthesis.

CelluSpots™ arrays are inexpensive tools for fast parallel screening experiments:

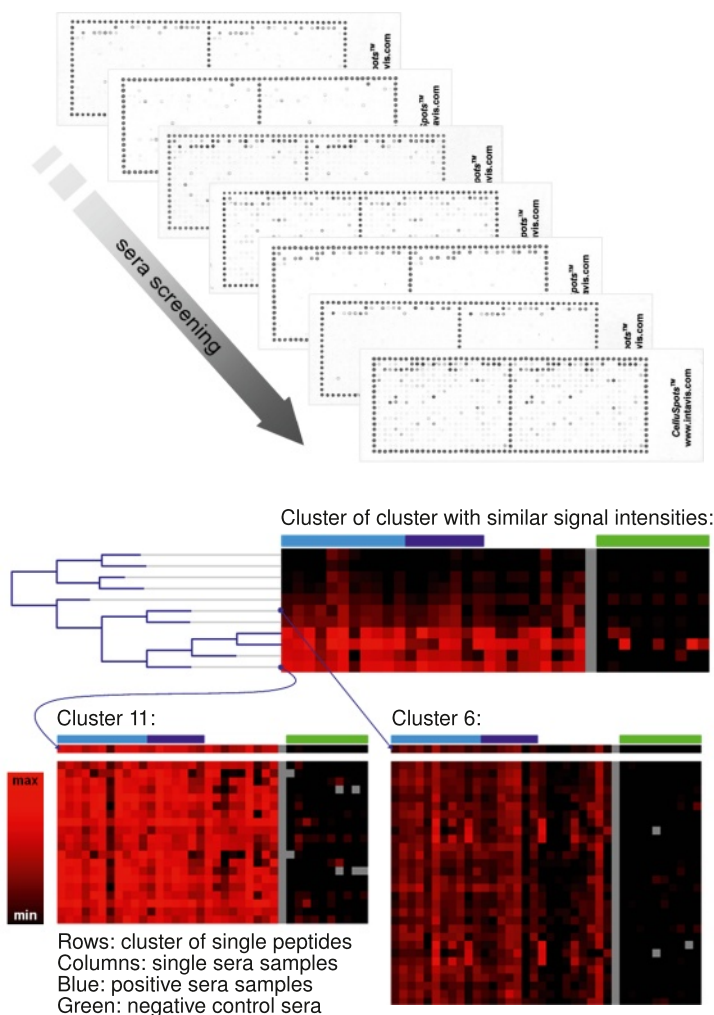
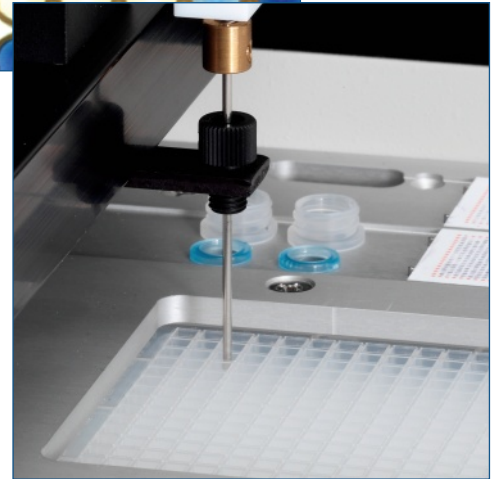
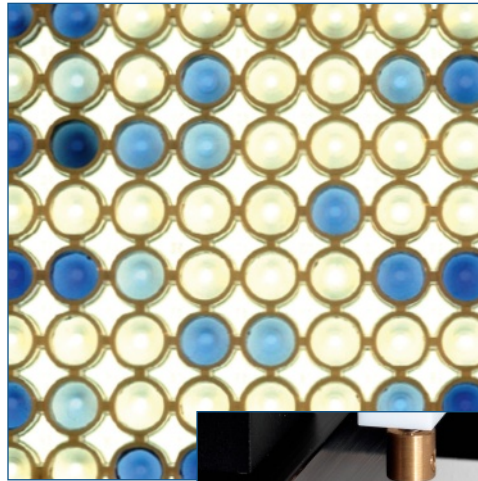
- Immunodominant epitopes
- Protein binding domains
- Receptor-ligand interactions
- Kinase substrate arrays

Advantages of **CelluSpots™** peptide arrays are the small sample volumes needed for incubations and the large number of identical arrays that can be produced with ease.

Liquid handling

The **Slide Spotting Robot** is a precise liquid handling system. Besides conventional spotting on slides or membranes additional tasks can be performed. Some of these are mixing of solvents, pipetting of liquids from one to another plate or adding a second solution to already spotted probes or vials of a microtiter plate.

- Adaptable volumes
- Teflon coated needle
- Reliable spotting
- Flexible work area

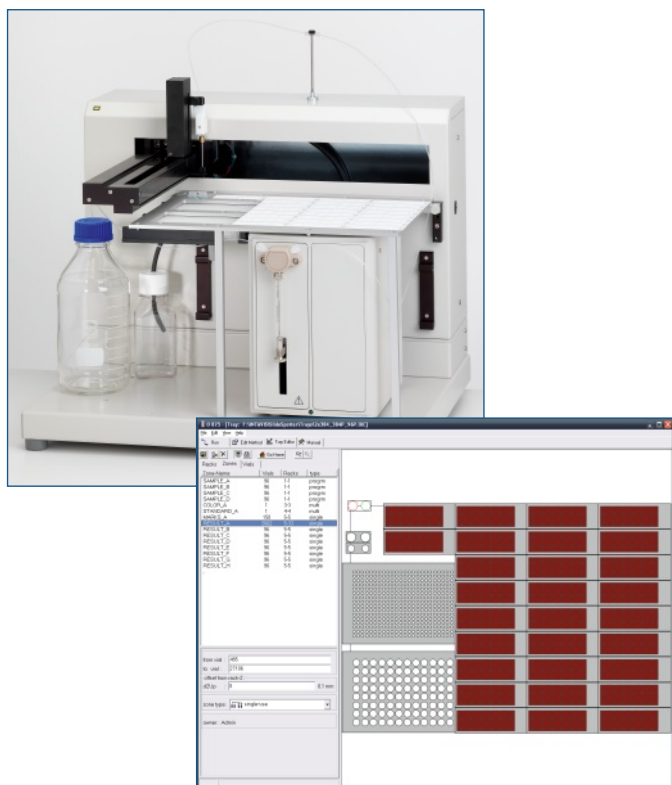


Development for diagnostics

Spotting of antibodies, proteins, peptides or other molecules on membranes, slides or in single wells of microtiter plates can be used to develop screening tests for research and diagnostics.

One good example is the creation of arrays from complete antigen spanning overlapping peptides in the bottom of 96-well plates or on microscope slides. These tools can be used to screen for epitopes that can help to find specific epitopes for the production of diagnostic tests.

- Immunoscreening
- Small incubation volumes
- Large scale sera screening
- Time series



Flexible operation software

The **Slide Spotting Robot** is operated by a Windows™ compatible software running on a standard PC.

- Graphical user interface
- Pre-defined arrays
- Easy array and method definition
- Versatile liquid handling
- Real-time display
- Detailed documentation of each run

Specifications

Fully automated spotter with dilutor, Teflon coated needle and tray with holding frames for microtiter plates and microscope slides.

Tray: 29 positions for microscope slides (7.5 x 2.5 mm or 7.6 x 2.6 mm)
2 holder for standard microtiter plates (low profile 384 or 96 well plates)
4 extra vial holders for additional solutions (1.5 / 2 ml and 0.5 ml tubes)
Bottles for rinsing solution and waste
Other configurations / trays are available upon request.

Spotting: Accuracy of about 0.1 mm
Densities up to 60 spots/cm² (approx. 1100 spots per microscope slide)
Volumes down to 100 nl

Software: Graphical software compatible with Windows™.
Power: 220/240 V, 50 Hz or 110/115 V, 60 Hz
Dimensions: 53.5 x 43.7 x 47.0 cm (width x depth x height) [21.1 x 17.2 x 18.8 inches]
Weight: 30 kg

More information: Please contact us at info@intavis.com or visit www.intavis.com

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