

SARS-CoV-2/COVID19 COVID19_Hulls/B CelluSpot™ Arrays

As the worldwide coronavirus situation intensifies, Intavis has created two CelluSpot™ arrays for rapid epitope mapping to enable vaccine development.

The Covid19_HullB Array contains the sequence of

SARS-CoV-2
surface glycoprotein QHD43416.1

mapped as 15-mer peptides with a shift of 5 amino acids.

The Covid19_HullS Array contains the sequences of

SARS-CoV-2
nucleocapsid phosphoprotein QHD43423.2
membrane glycoprotein QHD43419.1 &
envelope protein QHD43418.1

mapped as 15-mer peptides with a shift of 3 amino acids.

Additionally both arrays contain IGHG-1 mapped as 15-mer peptides with a shift of 5 amino acids as positive control for use with human serum.

The arrays also contain FLAG-tag, Myc-tag and HA-tag as positive controls for conventional laboratory use.

CelluSpot™ arrays are easy-to-use and cost effective single application arrays.

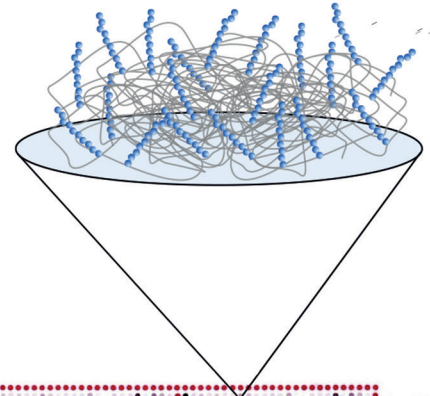
Due to the three-dimensional spatial presentation of the peptides, CelluSpot™ arrays have up to three orders of magnitude higher sensitivity than conventional peptide arrays.

The microscope slide dimensions make it easy to stain in standard staining chambers and allow for scanning using standard flatbed scanners.

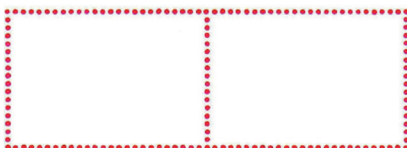
CelluSpot™ Peptide Array Specifications:

- standard format is a standard microscope slide coated with inert white background foil
- spot-to-spot distance 1.2 mm; spot diameter approx. 0.8 mm
- peptides are covalently bound to cellulose via C-terminus
- arrays contain control peptides and red location marks
- detection methods: autoradiography, chemiluminescence, chromogenic substrate reactions and dedicated fluorescent dyes
- up to 384 peptide-cellulose-conjugate spots printed in duplicate on the foil side of the slide
- N-terminus blocked by acetylation

cellulose-bound peptides
form a 3-dimensional spot



CelluSpots™ peptide array - 2x 384 peptide spots



CelluSpots™
www.intavis.com
LOT: 891-002-0241 - BOR1

staining & detection



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example: epitope mapping of different borrelia antigens

