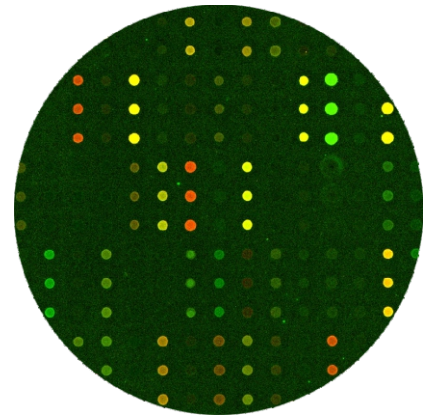
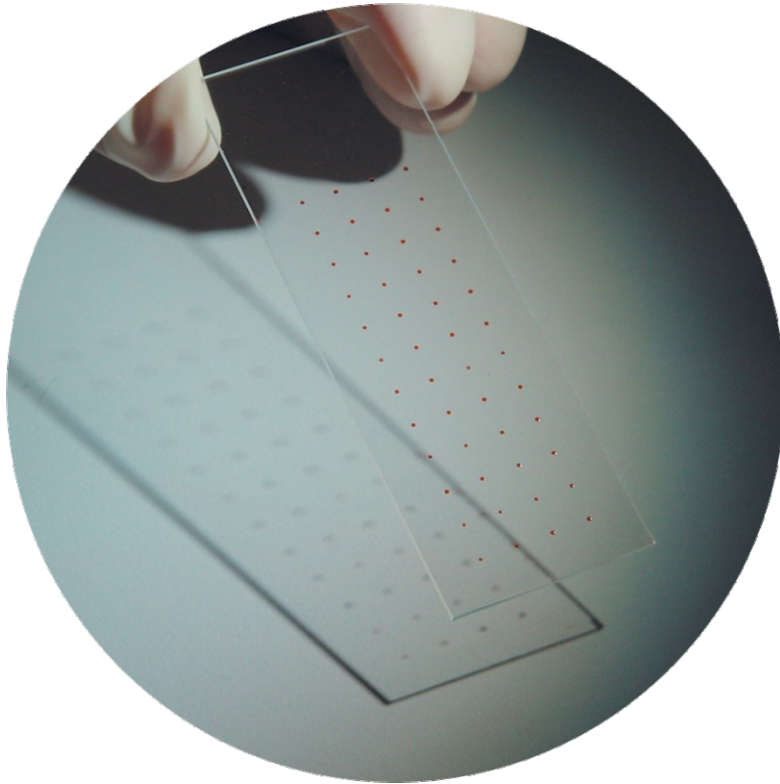


sciCONSUMABLES



sciCHIP EPOXY / sciCHIP AMINO / sciCHIP ALDEHYDE

- tailor-made surface functionalization allows highly efficient immobilization of biomolecules
- high signal intensities and very low background
- two-step quality control to verify surface homogeneity and biomolecule immobilization
- protocols and buffers specifically optimized for DNA and protein microarray applications
- compatible with commonly used fluorescence and colorimetric scanners
- designed for life science research and diagnostics

The sciCHIP system . . . *For consistent, reproducible and sensitive microarray data*



sciCHIP EPOXY / sciCHIP AMINO / sciCHIP ALDEHYDE

Product Description & Applications

Based on SCIENION's expert knowledge in surface design a portfolio of surface functionalized slides has been developed and optimized for microarray applications. These specific functional layers substrates combine a high density of coupling groups with a superior surface functionalization homogeneity. This special design allows for a highly efficient coupling of biomolecules. In combination with sciFLEXARRAYER technology, high quality microarrays can be produced with excellent spot morphologies and high signal to noise ratios.

●● sciCHIP EPOXY

for covalent binding of amine or thiol moieties of
- unmodified and amine-modified oligonucleotides,
PCR-products, glycans, peptides, cells, antibodies and
proteins

●● sciCHIP AMINO

for binding by electrostatic interactions followed by
crosslinking of
- longer oligonucleotides, PCR-products and cDNA

●● sciCHIP ALDEHYDE

for covalent binding of amine and thiol moieties of
- amine-modified oligonucleotides, PCR-products,
peptides, cells and tissues

Related Products

sciBUFFER for immobilization, washing, blocking and hybridization

- sciBUFFERSET
- sciSPOT
- sciPROCESS
- sciHYB
- sciWASH
- sciBLOCK
- sciBIND

Spotting, hybridization and detection

- sciFLEXARRAYER
- sciHYBCHAMBER
- sciREADER CL2

Features & Benefits

- Standard size (75.5 x 25.0 x 1.0 mm)
- Ultra flat glass surface
- Minimal inherent fluorescence, very low background
- Excellent surface homogeneity and superior slide-to-slide reproducibility
- Polysiloxane surfaces for high immobilization efficiencies
- sciBUFFER system provides optimized conditions for printing, immobilization, blocking and hybridization
- Barcode label and identification number optional
- Slides are packed under argon to prevent exposure to moisture
- 12 months shelf life at room temperature
- Supports both non-contact and contact printing
- Compatible with commonly used scanners

Services & Support

- Contract microarray printing service
- Contract assay development
- Hotline and online support

Order Information

Product	Size	Cat. No.
sciCHIP EPOXY, w/o barcode	5	CSC-5310-5
sciCHIP EPOXY, with barcode	5	CSC-5311-5
sciCHIP EPOXY, w/o barcode	25	CSC-5310-25
sciCHIP EPOXY, with barcode	25	CSC-5311-25
sciCHIP AMINO, w/o barcode	5	CSC-5330-5
sciCHIP AMINO, with barcode	5	CSC-5331-5
sciCHIP AMINO, w/o barcode	25	CSC-5330-25
sciCHIP AMINO, with barcode	25	CSC-5331-25
sciCHIP ALDEHYDE, w/o barcode	5	CSC-5340-5
sciCHIP ALDEHYDE, with barcode	5	CSC-5341-5
sciCHIP ALDEHYDE, w/o barcode	25	CSC-5340-25
sciCHIP ALDEHYDE, with barcode	25	CSC-5341-25

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