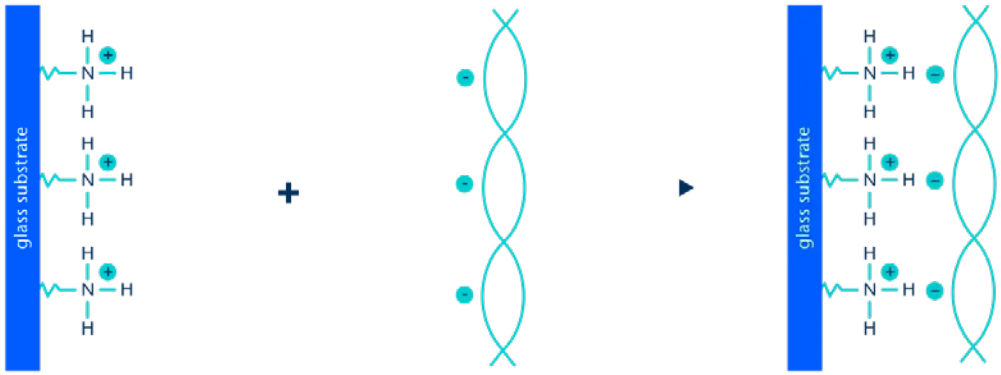


# SCHOTT NEXTERION® Aminosilane Coating (A+)

The NEXTERION® aminosilane surface provides available amine groups for initial ionic attachment of the negatively charged phosphate groups in the DNA backbone. The coating is based on very short chains of aminosilanes that demonstrate high signal intensities and exceptionally low background noise signals in comparison to other commercially available aminosilane coated substrates.

Produced in ISO class 5 clean room conditions using a standardized process and running a stringent quality control system, Aminosilane coated substrates are available in standard and custom formats.

**Coating Chemistry:**

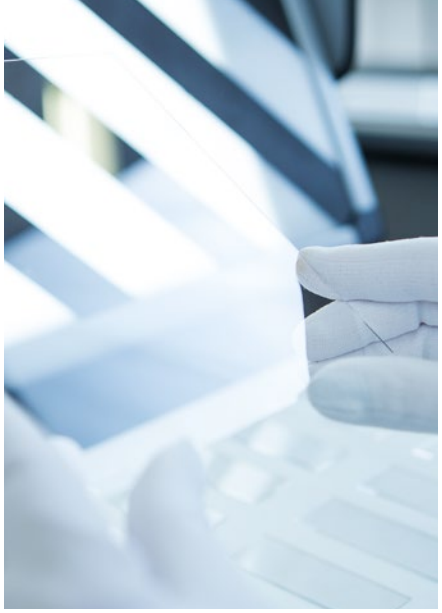



**Shelf Life:**
9 months in sealed original packaging at room temperature

**Immobilization Method:**
Ionic interaction followed by cross-linking via an additional UV or baking step.

**Probe Types:**
- BACs, PACs, YACs
- Oligonucleotides ≥ 40 mers
- cDNA
- PCR products

SCHOTT MINIFAB


**Material:**
- High-quality borosilicate glass or polymer
- Alternative substrate materials can be offered

**Formats:**
- Standard sizes (slide format, SBS plate format)
- Customized dimensions and thicknesses

**Structuring:**
- Pre-scoring
- Hydrophobic coating for multiplexing

**Markings:**
- Barcodes (1-D e.g. code 39, code 128; 2-D e.g. QR, data matrix)
- Logos
- Position markings and fiducials

**Quality:**
- Proprietary thin-film deposition process optimized by SCHOTT
- Excellent intra- and inter-lot reproducibility
- Physical and functional quality control
- ISO class 5 clean room production
- Relevant processes in place for diagnostic company needs

**Supply Forms:**

| Product | Size (mm) | Thickness (mm) | Pieces per pack |
|---|---|---|---|
| Slide A+ | 75.6 x 25.0 | 1.0 | 25 |
| Plate A+ | 110.0 x 74.0 | 1.0 | 5 |
| Customized A+ | Variable | 0.1 – 2.5 | Variable |

ENGLISH 02/2025 kn

schott.com/coatings

SCHOTT MINIFAB