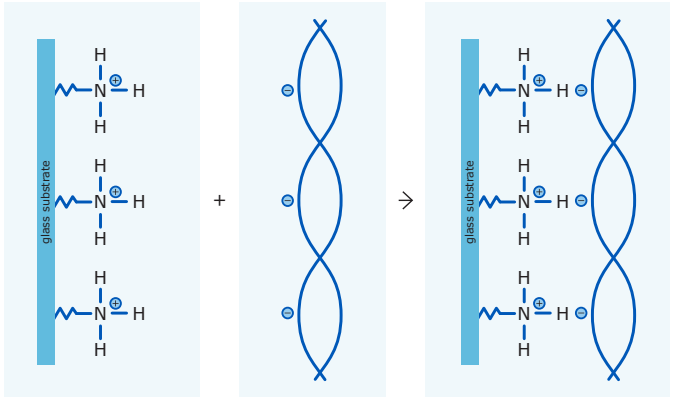
Aminosilane Coating (A+)

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.

Product Information

Coating Chemistry



NEXTERION® aminosilane coating chemistry

Shelf Life

Nine months for sealed packages 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

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Advantages

Material
- High-quality borosilicate glass
- 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 (1D e.g. code 39, code 128; 2D 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

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