

Poly-L-Lysine Coating (PLL)



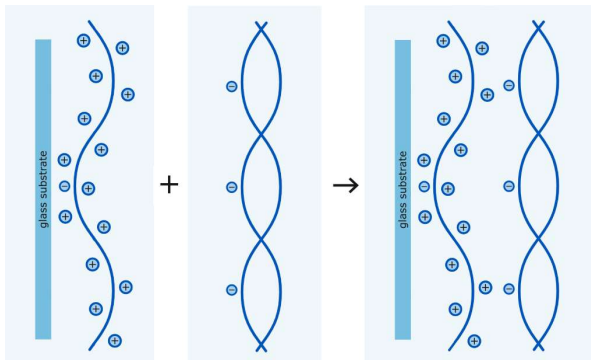
The NEXTERION® poly-L-lysine surface enhances cell attachment and adhesion of biomolecules to our glass surface using ionic interactions.

This coating is based on long chains of positively charged L-lysine polymers.

Produced in ISO class 5 clean room conditions using a standardized process following a stringent quality control system, NEXTERION® poly-L-lysine coated substrates are available in both standard and custom formats.

Product Information

Coating Chemistry



NEXTERION® poly-l-lysine coating chemistry

Shelf Life

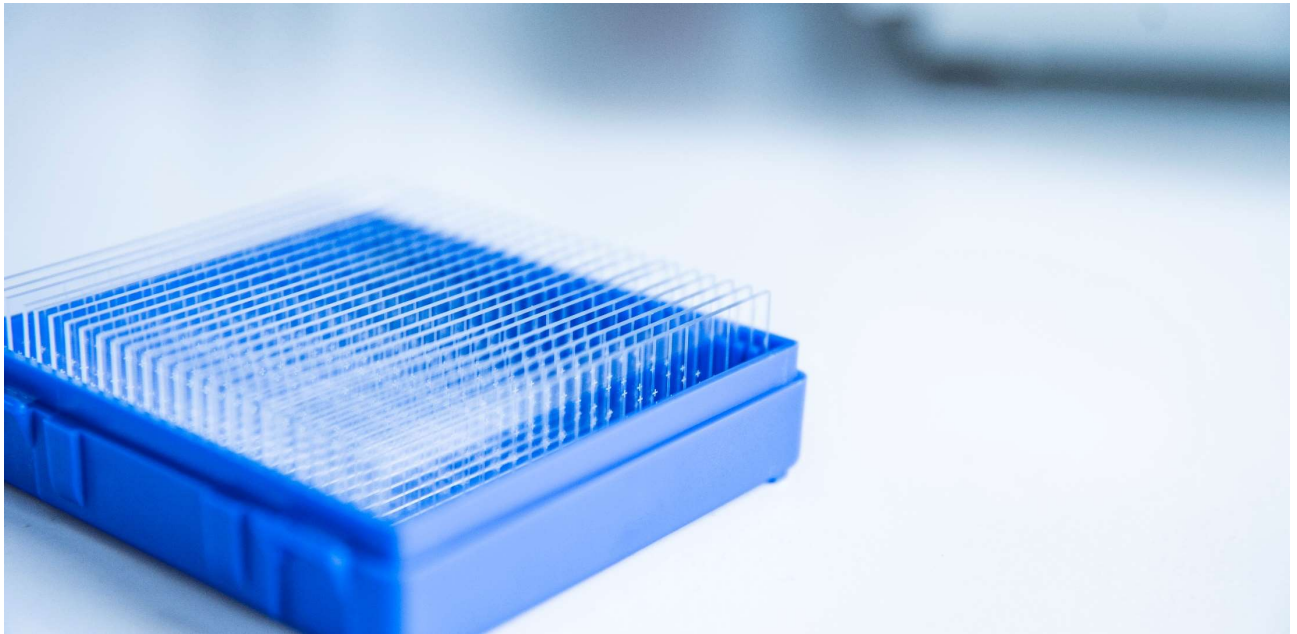
Six months for sealed packages at room temperature.

Immobilization Method

Ionic interactions

Probe Types

- BACs, PACs, YACs
- Oligonucleotides ≥ 40 mers
- cDNA
- PCR products



Advantages

Material

- High-quality borosilicate glass
- Alternative substrate materials can be offered

Formats

- Standard sizes (slide format)
- Customized dimensions and thicknesses

Structuring

- Pre-scoring
- Hydrophobic coating for multiplexing

Markings

- Barcodes e.g. code 128, DataMatrix-Code
- 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 PLL	75.6 x 25.0	1.0	25
Customized PLL	Variable	0.1 - 2.5	Variable

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