

Technical Data Sheet (TDS)**Product Name: VerdiBlot - Western Blot Membrane****Product Code** 260101, 260102, 260103, 260201, 260202, 260203

Product Description:

VerdiBlot membranes are designed to deliver exceptional performance across all blotting formats. They are compatible with wet, semi-dry western blot transfer and dot blot applications. The membranes provide outstanding chemiluminescent and fluorescent detection with very low to no background signal, ensuring high-quality readout. Their robust construction also makes them suitable for downstream processes such as mass spectrometry (MS). With a pore size of 0.3 μm , they are suitable for broad range of protein sizes (>10 kDa).

Ultra-low auto-fluorescence across excitation wavelengths (280-800 nm). Perfect for multiplexing with a broad spectrum of fluorescent dyes.

Suitable for stripping and re-blotting.

The membrane is 100% biodegradable without compromising the quality and clarity of bands.

Material Composition:

Polycaprolactone

Membrane Type: Hydrophobic polyester membrane**Color:** White**Thickness:** 130 $\pm$ 30 μm **Average Pore Size:** 0.3 $\pm$ 0.05 μm **Formats:**

Precut sheet (10 x10 cm; 8.4 x 7 cm; 8.3 x 7.3 cm)

Rolls (30 cm x 3 m; 27 cm x 3.75 m; 8.5 cm x 10 m)

Surface Properties:

Smooth, uniform surface for efficient protein adsorption. Nanofiber increases the surface areas compared to traditional membranes and facilitates the effectivity of antibody-antigen interactions.

Storage Conditions:

Store at room temperature (15–25°C), in a dry environment away from direct sunlight.

Shelf Life:

2 years from date of manufacturing under recommended storage conditions.

Applications:	- Western blotting, Dot blotting, mass spectrometry
Key Features:	- Low Fluorescence/Chemiluminescence background - Excellent mechanical strength - Compatibility with re-blotting
Regulatory / Compliance:	- REACH compliant - Non-toxic, non-hazardous as per GHS classification
Country of Origin:	Czech Republic
Packaging:	- Individually packed sheets in PE bags - Each Membrane is protected by two interleaving paper sheets. - Individually packaged rolls protected by PE bag.

Safety Information

This product is considered **non-hazardous** under normal laboratory usage. For more information refer to the SDS document found in verdiblot.com

Manufacturer / Supplier Details

LAM-X a.s.

Inovační 122
252 41
Zlatníky-Hodkovice
Czech Republic