

Product Description

PVDF Membrane, 0.22 μm is a polyvinylidene fluoride (PVDF) membrane widely used as a solid support for protein blotting. PVDF membranes are hydrophobic and available in different pore sizes; as the pore size decreases, their binding capacity for low-molecular-weight proteins becomes stronger. This product has a pore size of 0.22 μm and is suitable for most immunoblotting applications, particularly for proteins with molecular weights less than 20 kDa, helping reduce the loss of low-molecular-weight proteins during transfer. Compared with 0.45 μm PVDF membranes, this product provides higher protein adsorption efficiency and improved protein sequencing yield. Before use, the membrane should be pretreated, typically by soaking in methanol, to activate the membrane surface and improve protein binding. Because of its high mechanical strength, PVDF Membrane, 0.22 μm is an ideal solid-support material for protein blotting. It is most commonly used for protein transfer from gels in Western blotting and may also be used for adsorption analysis, amino acid analysis, N-terminal protein sequencing, dot blot and slot blot detection, glycoprotein staining, and lipopolysaccharide analysis.

Components

Components	BR4D412-01
PVDF Membrane, 0.22 μm	80 mm \times 60 mm \times 20 sheets

Storage

Store at 16-30°C.

Notes

1. For Research Use Only. Not for use in diagnostic procedures.
2. Due to the strong hydrophobicity of PVDF membranes, activate the membrane by soaking it in ethanol, methanol, or another suitable solution before use.
3. For proteins with molecular weights greater than 20 kDa, a 0.45 μm membrane is recommended. For proteins with molecular weights less than 20 kDa, a 0.22 μm membrane is generally recommended for more efficient capture.
4. For your safety and health, please wear a lab coat and disposable gloves when operating.