

Nitrocellulose Membrane for Lateral Flow IVD Diagnostic

AntiTeck provide highly consistent and optimized Nitrocellulose (NC) Membranes for lateral flow tests. A wide variety of membranes are available in roll form as standard products to meet various needs.

Membranes are directly cast on transparent polyester backing to improve the handling strength. Standard thickness film is 220 µm.

Technical Data

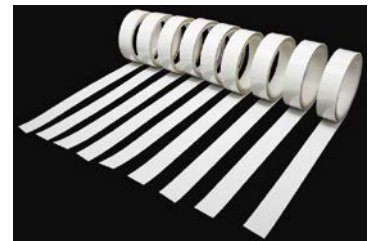
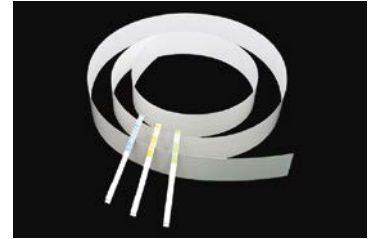
Capillary Flow Time(sec/40 mm):

The Capillary Flow is an important characteristic of NC membrane for lateral flow tests and primarily determines the reaction kinetics. AntiTeck membranes are designated by capillary flow time and have reproducible and defined capillary flow time. The wicking rate of blocked membranes will, however, depend on the blocking protocol.

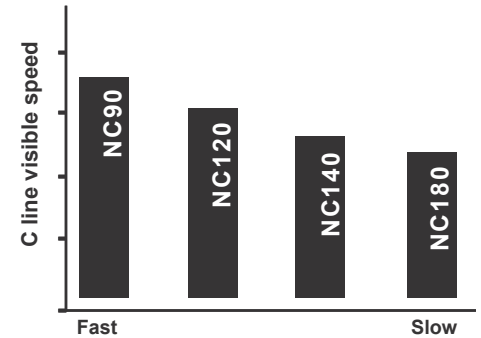
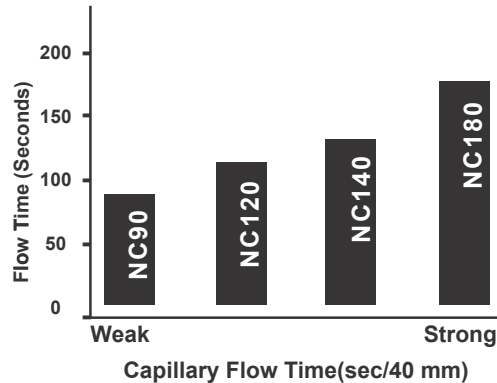
Capillary Flow Time is expressed as Sec. / 4cm that is time taken to travel solution upto 4 cm. This parameter is specific as mean with minimum and maximum acceptable value for individual point. To perform test Humidity and Temperature must be controlled in testing room.

Thickness

Membrane thickness effects the width of Test and Control Line. Thickness is given in Microns. This is specification and average acceptable values for individual points. The thickness of polyester backing is not included in the thickness of Membrane.



Dimension	
Width (cm)	Length (m)
2.0	100
2.5	100
3.0	100
3.5	100



Storage

Recommends storage of membrane rolls at 15°C to 20°C for longer shelf life. The membrane rolls should be kept away from heat radiators. The membrane is inflammable when subjected to direct heat.

How to select

Selection of membrane depends on the assay. Highest sensitivity is obtained with smaller pore size (slower wicking rate). For high affinity Ag/Ab reaction, use of bigger pore size (faster wicking rates) can result in faster test with adequate sensitivity

Product	ALNC90	ALNC120	ALNC140	ALNC180
Backing	75um Polyester			
Thickness	220 µm			
Capillary Flow Time(sec/40 mm)	90	110	130	170
Sensitivity	Weak to Strong			
C line visible speed	Fast to Slow			
Backing Cardbord	good performance apply for different materials			
Application	HCG, FOOD Safety	HCG,LH Drug Abuse	Pesticide, Heavy Metal, Drug Abuse, etc.	High Sensitivity Product: infectious disease, drug abuse

Order information

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