

Nitrocellulose Membrane for Lateral Flow IVD Diagnostic

BALLYA 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. BALLYA 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.

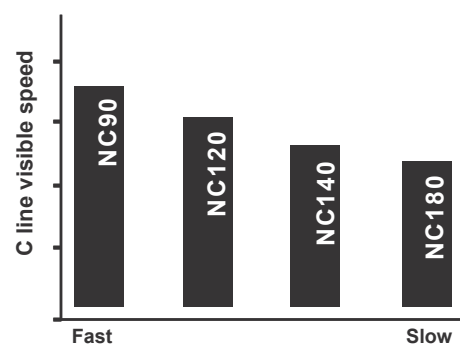
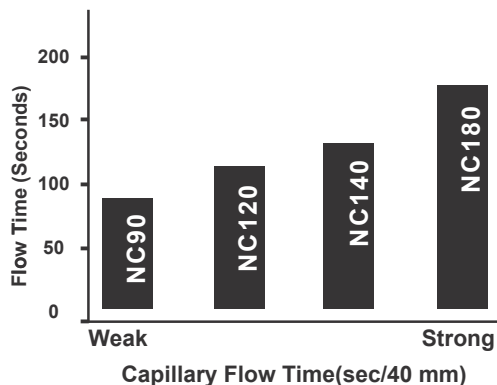
Capillary Flow Time is expressed as Sec. / 4cm that is time taken to travel solution upto 4 cm. This parameter is specific as mean with minimum and maximum acceptable value for individual point. To perform test Humidity and Temperature must be controlled in testing room.

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

Order information

info@ballyabio.com

| | | | | |
|---------------------------------------|------------------------------------------------|--------------------|------------------------------------------|----------------------------------------------------------|
| Product | NC90 | NC120 | NC140 | NC180 |
| 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 |