

IP MARKETPLACE

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POLYMER-COATED MEMBRANE AND METHOD THEREOF



▶ MORE INFORMATION

MEGA-TREND

- Environment and Water

TECHNOLOGY READINESS LEVEL (TRL)

- TRL 4

PATENT/ GRANTED NUMBER

- UI 2017700464

▶ TECHNOLOGY OVERVIEW

The present invention relates to a polymer coated nylon membrane for use in biosensing application. More particularly, the present invention relates to a nylon membrane for protein immobilization in a dengue virus detection characterized in that the nylon membrane comprising a polymer of methyl methacrylate and methacrylic acid coated thereon and method of manufacturing thereof. The present invention provides a novel approach for fabrication of a cost-effective and flexible class of bioreceptor platforms which can be used for enhanced dengue virus detection.

The methyl methacrylate and methacrylic acid combination coating helps to create a unique structure that offers considerably high surface area for biomolecular immobilization.

CONTACT US!

Dr. Lee Ching Shya

UMCIE Business Officer

Email: leecs@um.edu.my

Phone: +603 – 7967 7351 / 7352