

ULTRA BASIC LAB-UNIT



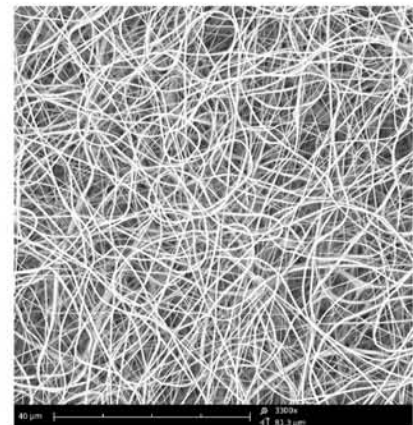
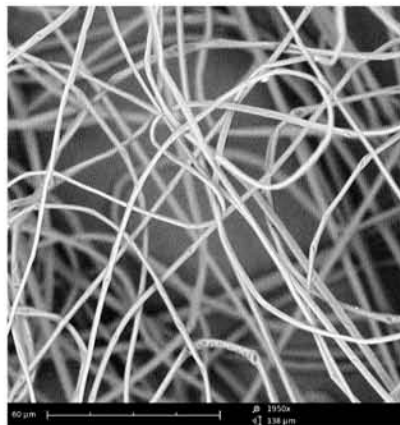
DESCRIPTION

The Ultra Basic Lab-Unit is a cost-effective, easy to use and safe system for production of nanofibrous membranes by electrospinning. It is composed by:

- High Voltage Power Supply
- Flat Plate Collector
- Syringe Pump
- Adjustable Stand Support and Needle Holder

The system is housed in a transparent theca made of anodized aluminium. System is equipped by power and control box necessary for electrospinning operations.

EXAMPLE OF FIBERS MADE WITH OUR SYSTEM



Examples of Random collected nanofibers

TECHNICAL DATA

SPINNING DEVICES

Adjustable Support: stroke 400 mm
Needle Holder (up to 3 on the same Adjustable Support)
Flat Plate Collector: made of aluminium (others material on demand),
200x200 mm (customizable)
HV Generator: 30 kV
Single Syringe Pump (customizable)

THECA

Anodized aluminum case: 700x700x1000 mm (customizable)
Profiles connection to ground to get Faraday cage
Transparent walls made of unbreakable shatter-proof of polycarbonate.
Non-transparent walls med of white POM

ACCESSORIES

Syringe of different size
Tip cap for syringe
Fittings tube

SAFETY

CE compliant (3rd party verified)
Shut-off switches in access doors

POLYMERS

The system is suitable to process both water and non-water soluble polymers

Accessories on demand:

Exhaust ventilation system
Coaxial Spinnret
Different collectors (static or XY Moving Collector)

CONTACT INFO

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CONFIGURATIONS

1.1 VERSION

Flat PLate Collector



1.2 VERSION

XY Moving Collector

