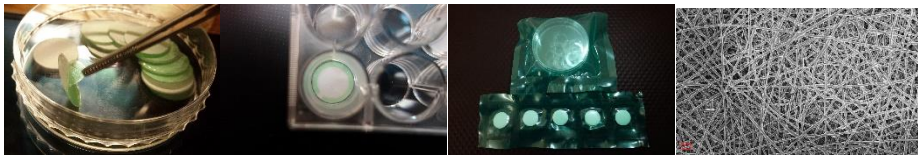
Electrospun tissues

Electrospun tissues- NBARE series

Polycaprolactone (PCL) fibrous scaffolds optimized for in-vitro applications, tissue engineering, ultra-filtration, biosensors, and medical kits. PCL is solved in organic solvents and is electrospun in fibers with a range diameter of 1-5 μm. The structure and the porosity make the scaffolds particularly suitable for tissue engineering, allowing the growing of bacteria films and different cellular strains. The materials are released for R&D activities only. They can be functionalized easily by the researcher, to boost productivity or to easily create new nanobiosystems and devices. Available in standard molecular weights in the range 50000-80000 both in format A4 and A6 or multiwell discs, as self-supporting fibers and deposited on transparent polycarbonate sheets for observation under optical microscope, protected by a removable green plastic film. Products are packed in a sealed plastic bag. A4 and A6 scaffolds protected by two plastic films on both sides while multiwell discs are alternated with paper discs that must be removed. Polycarbonate opened-rings are available in a Petri dish to anchor the self-supporting fibers discs to the bottom of the well. Products can be sterilized with pure ethanol or UV light. PCL is also available in pellets.
Available in "NBARE standard" format (ca 150um thickness) and "NBARE light" formats (ca 50um thickness).
Monolayers of PCL fibers on transparent support optimized for in-vitro assay are available too as "NBARE-SEE".



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