**Tester of mechanical strength of nanofiber membranes**

**Equipment:** Tester of mechanical strength of nanofiber membranes

**No. of Equipment:** UJEP32

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**Equipment Description**

Tester of mechanical strength – tensile tests

**Specification of expertise relevant to NanoEnviCzworkpackages:**

WP3 nanofibers, polymeric nanofibrous membranes with specific functions  
**WP3** a, d

**Detailed description of expertise**

**Please, specify the main research topics connected with equipment**:

Characterization of nanofiber polymeric membranes – test of mechanical strength of polymer membranes

**Please, specify the secondary research topics connected with equipment**:

Nanofibrous membranes for filtration and separation processes

Nanofibrous membranes for medical use (wound cover, tissue engineering)

**Keywords describing research area:**

Environment protection and biomedical applications

**Competence**

**Relevance for applied and industrial research:Relevance for fundamental studies:**

Fabrication of polymeric nanofibrous membranes with specific functions using needle spinning.