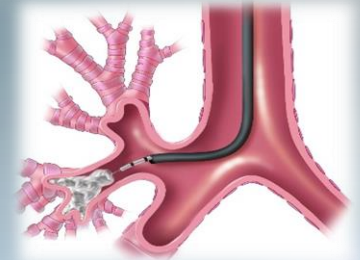
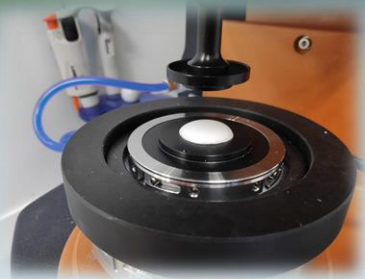


Properties Characterization of Natural Biomaterial Scaffold

CellFoam, developed by BiChange, is a bio-adhesive 3D foam structure Based on enzymatic crosslinking of gelatin, that can function as an artificial Extra Cellular Matrix (ECM).

The material is ideal for multiple unmet applications in regenerative medicine and tissue engineering, from in-vivo tissue remodeling to tissue printing.

Research objective was characterization of the material mechanical properties, in-vitro, such as Storage modulus (G'), Loss modulus (G''), ultimate tensile strength (UTS), yield strength, Young's modulus, Poisson's ratio, etc. Those parameters are essential to understand the behavior of the material in varied environments and the way it expands and consolidates.



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