Tissue Culture 3D Scaffolds

Explore cutting-edge Tissue 3D Scaffolds at NTHRYS, designed for regenerative medicine, tissue engineering, and biomedical research. Our biocompatible scaffolds support cell growth, tissue regeneration, and stem cell research, offering customized solutions for advanced tissue repair and bioengineering.

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## Categories Available

1. Tissue Culture Scaffolds
    1. Material Type
        1. Natural Polymers
            1. Collagen Scaffolds
                1. Type I Collagen Scaffolds
                2. Type III Collagen Scaffolds
                3. Cross-linked Collagen Scaffolds
            2. Chitosan Scaffolds
                1. Chitosan-Gelatin Scaffolds
                2. Chitosan-Alginate Scaffolds
                3. Chitosan-Hydroxyapatite Scaffolds
            3. Alginate Scaffolds
                1. Ionically Cross-linked Alginate Scaffolds
                2. Hydrogel-based Alginate Scaffolds
                3. Alginate-Gelatin Composite Scaffolds
        2. Synthetic Polymers
            1. Polycaprolactone (PCL) Scaffolds
                1. PCL-Nanofiber Scaffolds
                2. PCL-PLA Blended Scaffolds
            2. Polylactic Acid (PLA) Scaffolds
                1. Electrospun PLA Scaffolds
                2. Porous PLA Scaffolds
            3. Polyglycolic Acid (PGA) Scaffolds
                1. PGA Mesh Scaffolds
                2. PGA-Biodegradable Scaffolds
        3. Composite Materials
            1. Hydrogel-based Scaffolds
                1. Gelatin Hydrogel Scaffolds
                2. Polyethylene Glycol (PEG) Hydrogels

        3. Cross-linked Hydrogel Scaffolds
    2. Bio-ceramic Composite Scaffolds
        1. Hydroxyapatite-Collagen Scaffolds
        2. Calcium Phosphate Scaffolds
    3. Nanofiber Scaffolds
        1. Electrospun Nanofibers
        2. Aligned Nanofiber Scaffolds
        3. Random Nanofiber Mats
2. Product Type
    1. Pre-fabricated Scaffolds
        1. Ready-to-use Scaffolds
        2. Standardized Scaffolds for Lab Use
    2. Customizable Scaffolds
        1. User-defined Scaffold Architecture
        2. Tailored Biomaterial Composition
    3. 3D Printed Scaffolds
        1. PLA 3D Printed Scaffolds
        2. PCL 3D Printed Scaffolds
        3. Multi-material 3D Printed Scaffolds
    4. Micro-porous Scaffolds
        1. High Porosity Scaffolds
        2. Controlled Pore Size Scaffolds
    5. Multi-layer Scaffolds
        1. Layer-by-layer Scaffold Construction
        2. Multi-layered Nanofiber Scaffolds
3. Structural Characteristics
    1. Porosity-Controlled Scaffolds
        1. Macroporous Scaffolds
        2. Microporous Scaffolds
    2. Multi-phase Scaffolds
        1. Dual-Phase Scaffolds
        2. Gradient-Phase Scaffolds
    3. Elasticity-Controlled Scaffolds
        1. Soft Scaffolds for Soft Tissue
        2. Stiff Scaffolds for Hard Tissue
4. Application Type
    1. Cardiovascular Tissue Scaffolds
        1. Vascular Graft Scaffolds
        2. Heart Valve Scaffolds
        3. Myocardial Patch Scaffolds
    2. Dermal Tissue Scaffolds
        1. Wound Healing Scaffolds
        2. Skin Graft Scaffolds
    3. Musculoskeletal Tissue Scaffolds
        1. Bone Regeneration Scaffolds
        2. Cartilage Repair Scaffolds

    3. Tendon and Ligament Scaffolds
4. Nervous System Scaffolds
    1. Neural Regeneration Scaffolds
    2. Spinal Cord Repair Scaffolds
5. Ocular Tissue Scaffolds
    1. Corneal Tissue Scaffolds
    2. Retinal Repair Scaffolds