

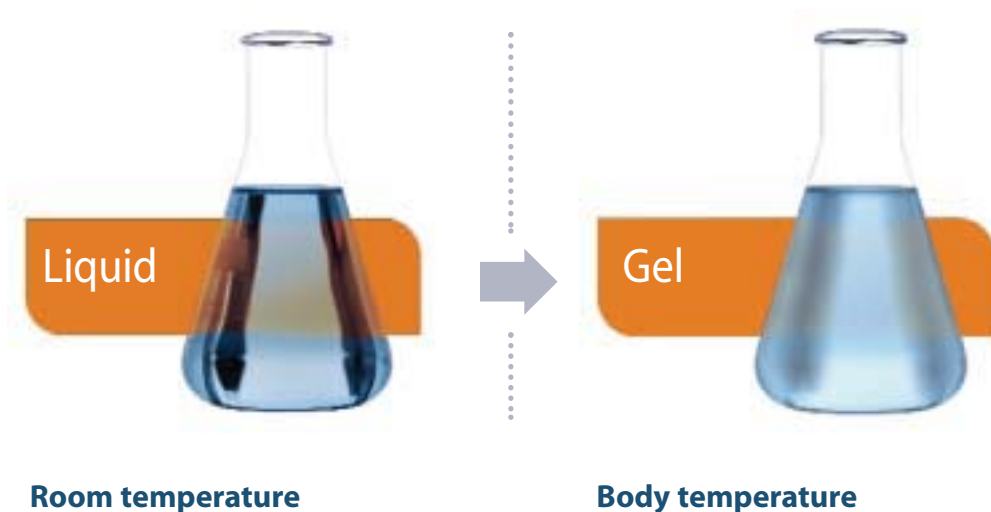
Our Technology Platform

BST-Gel®

- > Chitosan-based
- > 2% aqueous polymer solution
- > Physiological pH
- > Self-gelling at 37°C
- > Biocompatible
- > Biodegradable
- > Muco-adhesive
- > Minimally invasive

BioSyntech's patented technology platform is a family of hydrogels called **BST-Gel®**, which are liquid at room temperature and solid at human body temperature. These gels are injected or applied to specific local sites and offer therapeutic properties for the local repair of damaged tissue such as cartilage, bone and chronic wounds. The unique ability to gel at body temperature offers the key benefit of avoiding invasive surgery.

BST-Gel® is biocompatible, muco-adhesive and safely biodegradable with controllable biodegradation, allowing for residency times adapted to the specific application. As such, depending on the application, the therapeutic effect can be targeted to last from weeks to years.



Our Products

Currently in development

Orthopedics

- > **BST-CarGel®** – For the repair of localized cartilage lesions. Applied during minimally-invasive surgery, it acts *in situ* as a 3-dimensional scaffold and may guide the repair of the damaged cartilage.
- > **BST-InPod™** – For heel pain relief. An injectable product designed to potentially restore the biomechanical cushioning properties of the foot fat pad.
- > **BST-Ossifil™** – For bone filling. A unique product combining **BST-Gel®** with osteoconductive calcium phosphate-based materials.
- > **BST-Disc™** – For the restoration of collapsed or degenerated intervertebral discs.

Wound Healing

- > **BST-DermOn™** – For the treatment of chronic ulcers. A topical therapy which conforms well to the wound and may help stimulate the natural healing process.

Therapeutic Delivery

These products, based on **BST-Gel®** technology, could effectively deliver biotherapeutic agents to their targeted site of action. The various applications include:

- > Gynecology
- > Cancer
- > Gene Delivery



Instrumentation

- > **Mach-1™** – A commercially available micromechanical testing system for sensitive testing of biological or other small samples.
- > **Arthro-BST®** – An arthroscopic probe used to detect the health of cartilage.