Southwest Research Institute® (SwRI®) offers expertise in diverse areas such as biomaterials and tissue engineering, materials characterization, biological encapsulation, and medical device design, prototyping and testing. Scientists in the Materials and Bioengineering Section have extensive experience in synthesizing and using biomaterials for different applications including tissue engineering and wound care.

SwRI’s tissue engineering and wound care capabilities include:

- Material development
- Stem cells
- Tissue engineering scaffolds for:
  - Bone
  - Cartilage
  - Blood vessels
  - Skin
  - Tendons
  - Nerves
- Perfusion flow bioreactor to develop cell constructs
- Composite tissue perfusion and perfusate
- Adhesives
- Wound dressing
- Production scale-up
The Chemistry and Chemical Engineering Division at SwRI is ISO 9001:2008 certified. Staff in the Materials and Bioengineering Section also follow current Good Manufacturing Practices (cGMP), Good Laboratory Practices (GLP) and Medical Device ISO 13485:2003 procedures that comply with FDA Quality System Regulation 21 CFR 820.20.

We welcome your inquiries.
For additional information, please contact:

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