Shriram Applied Radiation Centre (SARC) was established in collaboration with Bhabha Atomic Research Centre (BARC), Board of Radiation & Isotope Technology (BRIT) and Department of Atomic Energy (DAE), Govt. of India, with the following objectives:

- For Gamma Irradiation of Surgical, Medical and Pharmaceutical Products for Sterilization.
- For Reduction of Microbial Load of Herbal/Ayurvedic Medicines and their Ingredients.
- For Detection and Certification of Radiation Contamination of Various Commodities.

**Services Available**

- Sterilization of Surgical, Medical and Pharmaceutical Products.
- Irradiation of Ayurvedic Ingredients/Medicines to Reduce Bioburden.
- Irradiation of Precious and Semiprecious Stones for Enhancement of Aesthetics and Color.
- Irradiation of Various Products for Research Studies.
- Testing and Certification of Residual Radiation in Commodities.

All these services are undertaken strictly adhering to regulatory norms.

**Products Commonly Processed with Gamma Radiation**

Almost all medical products that are covered by the relevant drug and cosmetic regulations are commonly sterilized by gamma radiation.

- **Surgical Products:** Bandages, Dressings, Gauze Pads, Nappies, Delivery Kits etc. which are made of Cotton, Wool and Gauze. Sterilization of Surgical Sutures.
- **Metallic Products:** Surgical Blades, Needles, Implants, Aluminium Caps, Containers etc.
- **Plastic and Rubber Items:** Petri-dish, Centrifuge Tube, Blood Collection Sets, Scalp Vein Sets, Shunt Valves, Rubber Gloves, Contraceptive Devices, Gowns, Wraps, Covers, Sheets, etc.
- **Pharma Products:** Silver Sulphadiazene Cream, Gelatin Capsule, Bentonite, Charcoal, Ergot Powder, Absorbable Gelatin, Ophthalmic preparations in Paraffin Base and Oil Base, Skin Ointment in Polyethylene Glycol Base and API.
- **Ayurvedic/Herbal:** Raw Material, Medicines, Granules, Spices and Condiments.
- **Gem Stones:** Precious and Semi-precious Stones for Colour and Aesthetic Enhancement.