



## E-BEAM RADIATION TECHNOLOGY CENTRE - TULLAMORE, IRELAND

The Radiation Technology Centre (RTC) in Tullamore, Ireland is a specialized testing facility supporting Customers using electron beam sterilization. In addition, our RTC Radiation TechTeam® supports our RTC facilities and are committed to being a vital part of your irradiation process. They assist in establishing sterilization dose values, and provide high precision irradiation dose delivery for validation, dose audit and research purposes.

### Radiation Technology Centre Capabilities

- Gamma, electron beam and X-ray irradiation dose delivery within ISO validation and dose audit requirements
- Ability to handle specialty projects, from small-volume processing to specialty dose mapping
- Processing of samples for materials studies to determine functionality and compatibility of selected components
- High-precision dose delivery to perform dose response studies or accommodate sensitive products that otherwise could easily be damaged by ionizing radiation
- Replication of product placement and delivered dose, allowing for reproducible processing cycles through a research project or highly controlled experiment
- Performance qualification, processing, and monitoring by one of our highly trained radiation technicians, providing the ultimate flexibility and oversight required for your unique validation or research needs
- Seamless transfer of validation and dose audit work into our larger commercial processing locations throughout Europe
- Temperature-controlled processing, for applications when sterilization processing time needs to be minimized
- Product validation/assessment services
  - Dose establishment
  - Dose verification
  - Product feasibility assessment (feasibility to radiation processing)

### Radiation Technology Centre Specializations

- Low dose processing (<10 kGy)



#### ELECTRON BEAM

E-beam sterilization exposes products to high-energy electrons.



#### GAMMA IRRADIATION

Gamma irradiation exposes products to a Cobalt 60 radiation field.



#### X-RAY

X-ray irradiation uses ionizing energy from high-powered electron beam accelerators.

### FOR MORE INFORMATION

STERIS Applied Sterilization Technologies  
IDA Business & Technology Park  
Sragh Industrial Estate  
Tullamore, Ireland  
R35 X865

Web: [www.steris-ast.com](http://www.steris-ast.com) // Phone: +353 (0) 57-9349999

