



## Delivering Precision

# ExCell®

Anyone who sterilizes with radiation must, on a regular (typically quarterly) basis, prove that the dose used for sterilization is still the right dose. Similarly, companies developing new products must provide engineering studies that confirm the product can withstand or tolerate irradiation.

Satisfying these requirements calls for a very low dose of radiation, and a very tight dose (tight min-max ratio), delivered to the product as accurately as possible.

The Sterigenics ExCell is the only irradiator in the world built for such precise dosing. No other gamma sterilization cell is designed to process products as accurately—and as quickly.

In fact, when timing is critical, the ExCell's unique, automated operation makes same-day processing possible, depending upon product volume and dosage requirements.

For ultra precision, accuracy, repeatability and speed, nothing can equal the ExCell irradiator.

### The Nature of ExCell

A low-volume, high-precision irradiator that can be used in either a batch or continuous flow process, the ExCell® was designed and built by Sterigenics to provide a higher precision dose than any other irradiator in the industry today. Such precision is critical when a product's treatment specifications include a tight minimum and maximum dose range (i.e., 20-30kGy).

The ExCell delivers its precise dosage using state-of-the-art, automated conveyance, material handling and process-control systems. It enables processing of any product density, while maintaining delivered doses to within  $\pm 10\%$ .

As testament to its precision, the ExCell is the only irradiation cell in the world designed to deliver the precise dose tolerances required by ANSI/AAMI/ISO 11137 using an automated carrier system.

### A Highly Versatile Option

The ExCell is the sterilization method of choice for a variety of purposes, including: production services for finished goods requiring a very limited dose range, dosage auditing to verify dosage requirements, validation work, materials testing and R&D. Specifically:

- Are you due for a quarterly dose audit? Is your company introducing a new product line or family? Are you questioning the material compatibility of your products with radiation? For precision, accuracy and repeatability, the ExCell is the only place to process these products.
- Would you prefer to use gamma radiation as your method of sterilization? Do you find it difficult because product characteristics mandate a higher radiation dose in order to achieve sterility, yet limit overall radiation exposure due to the tolerance of the product's materials? Again, ExCell is the appropriate solution, providing precise sterilization customized to your product materials, densities and packaging.

### For Precision, Accuracy, Repeatability and Speed, Nothing Can Equal ExCell

No other gamma sterilization cell is designed to process products as quickly and accurately as the ExCell. Its unique, automated operation makes same-day, precision processing not only possible, but highly likely, depending upon product volume and dosage requirements. ExCell services are offered at a premium price based upon the nature of the service being provided.

## Service That's in a Class by Itself

- Guaranteed turn times  
When uniform dosing and fast turnaround are critical, the ExCell delivers, assuring fast, precision processing of sterilization dose audits and product validation.
- Superior dose uniformity  
The ExCell provides greater reliability in dose setting and product performance testing, thus reducing down-side risk exposure to product recall or dose audit failure.
- Fully automated process control  
The ExCell simulates actual processing conditions to which the product will be exposed in the full-scale production irradiator. Since product is automatically conveyed through the ExCell using an overhead conveyor system, the possibility of human error due to repeated handling is eliminated.
- Dedicated team of professionals  
The ExCell is staffed by trained personnel dedicated to giving each customer's product samples his/her undivided attention.
- Free dose audit notification service  
As part of its ExCell service package, Sterigenics automatically notifies customers 30 days in advance of their product's next scheduled quarterly dose audit.

ExCell service is available at Sterigenics' Charlotte, North Carolina and Corona, California facilities. Call today for complete information.