

AN OVERVIEW

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 uniformity ratio (DUR), 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 dose requirements.

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



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DELIVERING PRECISION

ExCell™



Sterigenics.

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. Such precision is critical when a product's treatment specifications include a tight minimum and maximum dose range (i.e., 22.5-27.5kGy).

The ExCell™ delivers its precise dose using state-of-the-art, automated conveyance, material handling and process-control systems. It enables processing while maintaining delivered doses to within ±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 ISO 11137 using an automated carrier system (carrier size 24" x 20" x 18").

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 dose requirements. ExCell™ services are offered at a premium price based upon the nature of the service being provided.

A HIGHLY VERSATILE OPTION

The ExCell™ is the irradiator of choice for a variety of purposes, including:

production services for finished goods requiring a very narrow dose range, dose auditing 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 an ideal 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 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 irradiation customized to your product material and composition, density and packaging material.

SERVICE THAT'S IN A CLASS BY ITSELF

- Fast product turnaround times**
When timing is critical, GammaSTAT™ services are offered in 2 levels 23-hr service, and 48-hr service.
- Superior dose uniformity**
The ExCell™ provides greater reliability in dose setting and product performance testing.
- 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 their undivided attention.

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

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