



- **Rapid Quality Control Procedure**
- **Flow Enumerated Spike**
- **Precise Demonstration of Testing Performance**

EasySeed™ is a precise reference standard for *Cryptosporidium* and *Giardia*. Utilising BTF's patented cell sorting technology, EasySeed™ provides a consistently accurate measurement of analytical performance.

By simply adding the contents of one EasySeed™ vial to a quality control sample each day, the laboratory can monitor consistency of recovery of *Cryptosporidium* and *Giardia* from water samples.

EasySeed™ is presented as 10 individual tubes in a robust outer carton. Each tube contains 100 *Cryptosporidium* and *Giardia* in approximately 1mL of saline solution. The organisms are counted and dispensed by flow cytometry to guarantee high accuracy, with standard deviations of less than 2.5.

The organisms are inactivated by a controlled dose of gamma-irradiation, making them safe to handle while maintaining the characteristic microscopic appearance. Every batch of EasySeed™ is supplied with a four-month shelf life from production date, and can be conveniently stored at 2 – 8°C.

To ensure that EasySeed™ maintains a high level of precision, a rigorous quality control is carried out on each manufactured batch: A 3% sample of tubes is selected from throughout the batch and re-enumerated by flow cytometry. In addition, the organisms are stained and examined microscopically to ensure their premium condition.

EasySeed™ is supplied with a certificate of analysis which guarantees that each tube meets the following standards:

Standard Deviation	<2.5
% of oocysts that are full	>95%
% of oocysts that stain with DAPI	>95%
Variation in Weight	<0.10g

Seeding a QC Sample with EasySeed™ is simple:

1. Add 2mL of 0.05% (v/v) Tween 20 to the tube.
2. Replace cap and shake vigorously.
3. Remove cap and pour EasySeed™ into sample.
4. Add 3mL of reagent grade water to the tube.
5. Replace cap and shake vigorously.
6. Remove cap and pour EasySeed™ into sample.
7. Repeat steps 4, 5 and 6.

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