

Also available from BTF :-

Cryptosporidium and Giardia Testing

EasySeed™

EasyStain™

EasyPC™

Bacteria Testing
BioBall®

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Safety Precautions and Limitations

After use, dispose of packaging in accordance with appropriate biohazard disposal practices. Do not use the product if the packaging is damaged. Do not use the product after the expiry date. The product should be used according to the procedure described in this instruction for use document. Any modifications may affect the results.

Warranty

BTF warrants to the original purchaser only that the products will conform to the quantity and contents stated on the product labels and quality certificate for the duration of the stated shelf life.

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ColorSeed™

Instructions For Use

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ColorSeed™

Instructions for Use

Important

- Do not attempt to dry the contents of ColorSeed™ onto a well slide.
- ColorSeed™ is subjected to quality control testing to ensure every tube meets the batch specifications provided.

Seeding the sample (use one tube of ColorSeed™)

1. Remove and keep the tube cap
2. Add 2 mL of 0.05% (v/v) Tween 20 to the tube
3. Replace cap and vortex for 20 seconds
4. Remove and keep cap and pour tube contents into sample
5. Add 3 mL of reagent grade water to the empty tube
6. Replace cap and vortex for 20 seconds

7. Remove and keep cap and pour tube contents into sample

8. Repeat steps 5, 6 and 7 once more

Sample Analysis

9. Analyze the sample as per the laboratory Standard Operating Procedure.

Critical

Determine whether every *Cryptosporidium* and *Giardia* observed under FITC filter conditions fluoresces red under Texas Red filter conditions.

10. Record the number of red fluorescent *Cryptosporidium* and *Giardia* detected.
11. Separately record the number of green-only fluorescent *Cryptosporidium* and *Giardia* detected.
12. Calculate the ColorSeed™ *Cryptosporidium* and *Giardia* recovery using the following formulae:-

***Cryptosporidium* Recovery (%) =**

$$\frac{\text{red } \textit{Cryptosporidium} \text{ detected} \times 100}{\text{number of } \textit{Cryptosporidium} \text{ in ColorSeed™ as per C of A}^*}$$

***Giardia* Recovery (%) =**

$$\frac{\text{red } \textit{Giardia} \text{ detected} \times 100}{\text{number of } \textit{Giardia} \text{ in ColorSeed™ as per C of A}^*}$$

* Certificate of Analysis

13. Calculate the number of naturally occurring *Cryptosporidium* and *Giardia* in the original sample using the following formulae:-

***Cryptosporidium* =**

$$\frac{\text{green-only } \textit{Cryptosporidium} \text{ detected}}{\text{Colorseed™ } \textit{Cryptosporidium} \text{ recovery (from step 12)}}$$

***Giardia* =**

$$\frac{\text{green-only } \textit{Giardia} \text{ detected}}{\text{Colorseed™ } \textit{Giardia} \text{ recovery (from step 12)}}$$

Technical assistance

For technical assistance with the use of ColorSeed™ or other *Cryptosporidium* and *Giardia* testing issues please email info@btfbio.com or Fax: +61 2 8877 9101.

Certificates of Analysis

Certificates of Analysis can be downloaded from the BTF website: www.btfbio.com

Shipping and Temperature Tolerance

Please refer to the BTF Shipping Policy displayed on the BTF website: www.btfbio.com