

Also available from BioPoint :-

Cryptosporidium and Giardia Testing

EasySeed™

EasyStain™

www.biopoint.com.au

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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

BioPoint 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.

Limits of Liability

BioPoint's sole obligation and the purchaser's exclusive remedy under the above warranty is limited either to replacement, at BioPoint's expense, any products which are defective in manufacture (provided that the purchaser must return the products, transportation prepaid, to BioPoint) or, at BioPoint's option, refund the purchase price. All claims must be notified to BioPoint within 14 days of using the product. The above warranty does not apply to any products which have been altered outside BioPoint, nor to any products which have been subjected to misuse or mishandling, or use, storage or handling other than in accordance with instructions supplied by BioPoint. ALL OTHER WARRANTIES, EXPRESS, IMPLIED OR STATUTORY, ARE HEREBY SPECIFICALLY EXCLUDED, INCLUDING BUT

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Use and Indemnity

The purchaser assumes all risk and responsibility in connection with the use, storage, handling and disposal of the products. The purchaser must ensure that all use, storage, handling and disposal of the products is in compliance with all applicable laws, regulations and guidelines and in accordance with any instructions supplied by BioPoint, and must take all appropriate safety precautions. The purchaser indemnifies BioPoint and its directors, officers and employees and agents from and against all claims, actions, liabilities, costs and expenses arising directly or indirectly from the use, storage, handling and disposal of the products, except to the extent arising directly from the negligence of BioPoint.

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ColorSeed™

Instructions For Use

Issue: 2

Date: 1 March 2022



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.

Tip - Rinse sample containers and test tubes.

Rinse everything the sample comes into contact with using 0.05% Tween 20, included in the kit. Add the rinsings to the sample.

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 (%) =**

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

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

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

* Certificate of Analysis

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

***Cryptosporidium* =**

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

***Giardia* =**

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

Technical assistance

For technical assistance with the use of ColorSeed™ or other *Cryptosporidium* and *Giardia* testing issues please email info@biopoint.com.au

Certificate of Analysis

Certificate of Analysis can be downloaded from the BioPoint website: www.biopoint.com.au

Shipping and Temperature Tolerance

Please refer to the BioPoint Shipping Policy displayed on the BioPoint website: www.biopoint.com.au