

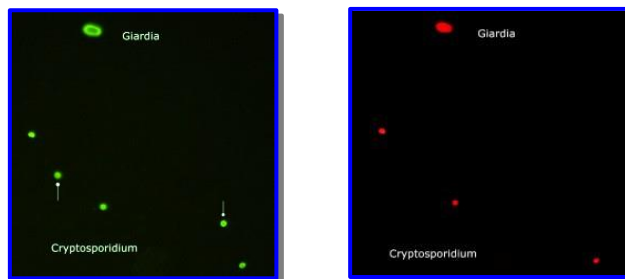
## Red Label Permanence

ColorSeed™ is permanently labelled with a red fluorescent dye. The dye is covalently bound within the surface of *Cryptosporidium* and *Giardia*.

## Robustness Testing

ColorSeed™ *Cryptosporidium* and *Giardia* have been tested in chemical environments to verify the permanence of the red fluorescent dye. Agents tested against ColorSeed™ (12 hour exposure) include;

- 18.5% (v/v) formalin
- 0.1% sodium hypochlorite
- 1% (v/v) Tween 80
- 1% (v/v) Triton X-100
- 1% (w/v) sodium dodecyl sulphate (SDS)
- 1% (w/v) 3-[(3-choloamidopropyl) dimethylammonio]-1-propane sulphonate (CHAPS, a non reducing zwitterionic detergent)
- mol L<sup>-1</sup> NaOH
- mol L<sup>-1</sup> HCl
- 50% (v/v) ethanol
- 50% (v/v) methanol
- 50% (v/v) acetone
- 1% (w/v) caprylyl sulphobe-



## Peer Reviewed Results

- The results of the above chemical exposure testing of ColorSeed™ were published in *Letters in Applied Microbiology*.
- The conclusion of the authors was that, “...ColorSeed™ labelling was found to be robust after different treatments.”

## Reference

*The evaluation of an internal positive control for Cryptosporidium and Giardia testing in water samples.* Warneke et al. *Lett. App. Micro.* 2003, 37, 244-248.

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