

# ColorSeed™

## Is my microscope suitable for ColorSeed™



### Which filter should I use?

- To view ColorSeed™, you will require a Texas Red® filter set.
- The filter set should provide optimal excitation and viewing of Texas Red®; but must block the fluorescence of FITC.
- The ideal excitation wavelength is 580 nm
- The ideal emission wavelength is 615 nm

### How do I know if my existing filter set blocks FITC fluorescence?

- Stain a sample of the positive control supplied in the EasySeed™ kit (not ColorSeed™) with EasyStain™.
- Examine stained *Cryptosporidium* and *Giardia* using the FITC filter set and then switch to the red filter set.
- If red fluorescence is visible on the *Cryptosporidium* and *Giardia* then your filter set needs to be changed. Please refer to your microscope manufacturer to obtain the appropriate filter set
- If no red fluorescence is observed on the *Cryptosporidium* and *Giardia* then the filter set does block the fluorescence of FITC. You now need to check that the red fluorescence of Texas Red® can be viewed. To do this simply use ColorSeed™ to spike a sample as detailed in the instructions for use. If red fluorescence is dim or not visible, then your filter set needs to be changed. Please refer to your microscope manufacturer to obtain the appropriate filter set.

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