

FAQ for Florosafe DNA Stain

1. What is the shipment/storage temperature?
 - For the maximum performance and stability, Florosafe DNA Stain should be stored at 4°C in the dark.
2. Can Florosafe DNA Stain be diluted?
 - Florosafe DNA Stain can be diluted in the ultrapure water.
3. Can we use Florosafe DNA Stain for RNA as well as DNA?
 - Florosafe DNA Stain can be used for RNA as well as dsDNA and ssDNA.
4. Is Florosafe DNA Stain suitable for UV illumination?
 - Yes, Florosafe DNA Stain is suitable for UV illumination.
5. Is it possible to use Florosafe DNA Stain on acrylamide gels?
 - No, Florosafe DNA Stain is recommended to use with agarose gels.
6. Can Florosafe DNA Stain be used with TAE and TBE buffers?
 - Yes, when running agarose gel, the electrophoresis buffer may be TAE or TBE buffer.
7. Is it possible to stain DNA with Florosafe DNA Stain in agarose gels as with EtBr (ethidium bromide)?
 - Yes, it can be used with the DNA in the gel like EtBr.
8. How should Florosafe DNA Stain be diluted when used for post-staining?
 - Add 10-25 µl of Florosafe DNA Stain in 100 ml of buffer solution. Adjust optimal concentration and staining duration (from 5 to 60 minutes usually) according to your experiment.
9. Does Florosafe DNA Stain migrate in the gel?
 - Yes, therefore it is recommended to use optimal electrophoresis time and % of agarose for running gels. For longer products/running-time we recommend to use post-staining.
10. What are the excitation and emission lengths of Florosafe DNA Stain?
 - Florosafe DNA Stain has two secondary fluorescence excitation peaks (~270 nm; ~290 nm) and one strong excitation peak centered around 490 nm. The fluorescence emission is centered at ~530 nm.
11. Which filters (wavelength) can be used for Florosafe DNA Stain?
 - The filters designed for green dyes (like GFP/SYBR green filter) are the most sensitive. However, EtBr filter and simply UV-light without any filter can be used as well.

12. Does Florosafe DNA Stain perform with low concentration of DNA?
 - Yes, Florosafe DNA Stain can perform with low concentration of DNA. However, smaller fragments of less than 300 bp may not be as bright as the larger ones (post-staining could improve the results).
13. Does Florosafe DNA Stain interfere with downstream applications?
 - Avoid leaving Florosafe DNA Stain in downstream solution. You may purify the DNA solution with a purification kit.
14. Can Florosafe DNA Stain be used for pulse field gel electrophoresis?
 - It is not recommended to use Florosafe DNA Stain for pulse field gel electrophoresis.
15. Is it possible to use Florosafe DNA Stain in Southern blot experiments?
 - Yes, Florosafe DNA Stain is perfectly compatible with Southern blotting experiments.
16. Does the stain interfere with recovery of DNA from the stained gel once it is run?
 - No, the stain should not cause any problems for further experiments with that DNA.
17. Does Florosafe DNA Stain penetrate the latex gloves?
 - Florosafe DNA Stain should be impenetrable to latex gloves.
18. How can Florosafe DNA Stain be disposed after use?
 - Florosafe DNA Stain does not create any toxic waste. Therefore, it can be disposed according to laboratory regulations.