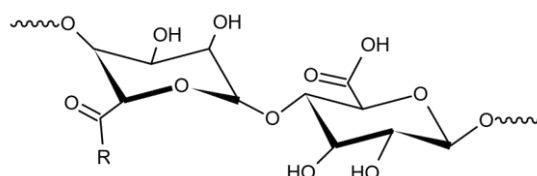


Fluorescent Alginate (Fluorescent Alg)

Product component

Item	Character	Package Size	Notes
Fluorescent Alg	Spongy	0.2g/bottle	Keep in dark

This instruction applies to EFL-FL-Alg



Fluorescent Alg molecular structure R= Fluorescent molecule

Product fluorescence information

Type	Excitation wavelength	Emission wavelength	Fluorescent colour
EFL-FL-Alg-50K/300K-G	~489nm	~520nm	Green

Product introduction

Sodium alginate (Alg) is biocompatible and easy to cross-link. It is widely used in research areas such as in vitro cell culture, bionic extracellular matrix and tissue engineering scaffold materials. Fluorescent Alg is a chemical grafting of fluorescent molecules onto Alg molecules. To give them a specific fluorescent colour by changing the type of fluorescent molecule. This chemical grafting method can maintain fluorescent properties for a long period of time and overcome the disadvantages of physical mixing or electrostatic adsorption methods in which the fluorescent molecules tend to diffuse out of the system, and also avoid the disadvantage of uneven imaging of fluorescent particles. The fluorescent Alg has promising applications in 3D bioprinting, biosensing and biotracer research.

Applications

Material tracing, in vivo and ex vivo fluorescence imaging, cell culture, encapsulation, bio-3D printing, tissue engineering, etc.

Storage

Dry kit: 4°C, 12 months; -20°C, 18 months. **Sterile solution:** 4°C (in dark), 7 days; -



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20 °C (in dark), 6 months. **Please note that repeated freezing and thawing of the solution will affect the performance of the product, so it is best to prepare it when using it.**

Period of validity

The date of manufacture is shown in the package.

Recommendations for use

Recommended use concentration: EFL-FL-Alg-50K-G 1–10% (w/v);

EFL-FL-Alg-300K-G 0.5–2% (w/v).

Adjust the concentration of use according to the final fluorescence intensity (non-sterile product, if used for biological experiments, please filter to remove bacteria).



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