



## TOOLS Fluo-Blue

**Cat. no. TOBFN60-3**

**Storage:** This product should be stored at 2-8 °C for up to 3 months without showing any reduction in performance and quality.

**Product Size:** 3ml

## Introduction

TOOLS Fluo-Blue is magnetic bead with blue fluorescent dye. The magnetic bead consists of single-crystal  $\text{Fe}_3\text{O}_4$  magnetic sphere core and being coated with dextran dispersed in phosphate buffered saline (PBS) solution. The beads with blue fluorescent dye spectrally similar to the traditional blue fluorescent dye, AMCA. The Beads can be introduced into cells by microinjection, it can be used for microscopy, flow cytometry, and magnetic resonance imaging (MRI). This product is highly hydrophilic, bio-compatible, and easy to use for cellular imaging research.

## Product information

1. Core material:  $\text{Fe}_3\text{O}_4$
2. Surface coating: Dextran
3. Surface functional group: Blue fluorescent dye
4. Concentration: 8 mg-Fe/mL
5. Particle size: 50 ~ 60 nm
6. Storage buffer: pH-7.4 PBS
7. Em Maxima: 448 nm
8. Excitation source: UV (350 nm)
9. Extinction coefficient: 18,000
10. Flow cytometry laser line: 360 nm
11. Microscopy laser line: 360 nm

## Notes:

1. Please keep the reagent away from magnets during storage.
2. Do not freeze.
3. Protect from light.

The product is for research only, not for diagnostic and clinical use.