Product Name: LysoTracker Deep Red

Product number: RA20026

Basic Information

Product name	LysoTracker Deep Red
Size	50 μL, 10×50 μL
Storage	-20℃, protected from light
Shipping	Shipped with ice pack
Validity	12 months

Experimental procedures

1. Preparation of LysoTracker Deep Red working solution
(1) Take a small amount of LysoTracker Deep Red probe and add it to the cell culture medium at a ratio of 1:10000-1:20000 to make the final concentration 50-100 nM . Mix well to obtain the LysoTracker Deep Red probe working solution.
(2) LysoTracker Deep Red probe working solution can be pre-incubated at 37°C before use.
2. Fluorescent labeling of lysosomes
(1) Remove the cell culture medium, wash once with 1× PBS, add the LysoTracker Deep Red probe working solution prepared in step 1, and incubate with the cells at 37°C for 30 min-2 h. The incubation time varies for different cells, and it is recommended to adjust it according to the staining effect.
(2) Remove the LysoTracker Deep Red probe staining solution, wash three times with 1× PBS, and observe under a fluorescence microscope. If Hoechst 33342 counterstaining is required, it is recommended to use a Hoechst 33342 concentration of 10 μg/mL. Incubate at 37°C for 5 min, remove the dye, and wash with 1× PBS before taking pictures.

LysoTracker Deep Red excitation/emission wavelength: 649/665 nm

Precautions

1. All fluorescent dyes have quenching problems. Please try to avoid light to slow down fluorescence quenching.
2. To avoid repeated freezing and thawing, this product can be divided into small quantities.
3. If the staining effect is not good, you can increase the concentration of the probe in the staining working solution, or appropriately extend the staining time within the recommended time range.
4. To reduce staining background, use a lower concentration of dye as much as possible.

Note: This reagent is for scientific research use only!