



Product Information

Product No. : T3780

Description

This product is supplied as a ready-to-use solution for animal tissue-clearing. CUBIC-B (Product No. T3780) makes organs including bones clear efficiently. Both Tissue Clearing Reagents CUBIC-L (Product No. T3740) and CUBIC-R+ (Product No. T3741) are also required for a series of procedures.

Storage

The product can be stored at room temperature.

Precautions

Precipitations sometimes arise, but they do not affect the quality of clearing. Samples may swell but detailed structures are preserved.



Directions for Use

Mouse whole-organ including bones clearing protocol

(after perfusion fixation, tissue excision)

Process	Reagent	Temp.	Time	Notes
Tissue fixation	4% PFA in PBS	4 °C	1 day	
Delipidation	CUBIC-L	37 °C	3 – 7 days*	Shake gently (same in following steps).
Wash	PBS	RT	1 day	
Decalcification	CUBIC-B	37 °C	5 – 7 days	Refresh CUBIC-B at least once.
Wash	PBS	RT	1 day	
Delipidation	CUBIC-L	37 °C	2 – 4 days	
Wash	PBS	RT	1 day	
(Staining)	Stains**	RT	5 – 7 days	Optional
(Wash)	PBS	RT	1 day	Optional
Pre-treatment	50% CUBIC-R+	RT	1 day	1:1 mixture of water and CUBIC-R+
RI matching	CUBIC-R+	RT	1 – 2 days	

*If the immersion period is longer than 4 days, the CUBIC-L should be refreshed at least once.

**In case of antibody, use the fluorescent labeled antibody as a primary antibody. For nucleus staining, use 10 µg/mL Propidium iodide (PI) in 0.1 M Phosphate buffer (PB) pH 7.4 containing 0.5 M NaCl.

The above protocol is mentioned as examples. Please adjust the experimental conditions according to samples and purposes of the experiment.