

1. ChemScale プロトコル

Fluorescent dye-staining of a mouse brain slice (1 – 2 mm thick)

各ステップについて、70 rpm で振とうしながら処理下さい。

Action	Reagent	
Fixation	4 % PFA/PBS(-)【pH 7.6 - 7.8】 【for Perfusion fix and 3 days-post fix(4°C)】	
Adaptation	SCALEVIEW-S0 (4 hrs, 37 °C)	
Permeabilization	SCALEVIEW-A2 (8 hrs, 37 °C)	10 ml scale
	Sca/eB4(0) (12 hrs, 37 °C)	
DeSca/ing	SCALEVIEW-A2 (8 hrs, 37 °C)	
	deSca/e Solution (6 hrs, 4 °C)	
Staining	SCALEVIEW-A2 with Fluorescent dye (6 - 8 hrs, 37 °C) e.g. for nuclei staining: SYTO61 (125 nM) or DAPI (500 nM) or PI (1 μg / ml)	8 ml scale
Wash	SCALEVIEW-A2 (2 hrs, RT)	
Wash	SCALEVIEW-A2 (1 hr, RT)	
DeSca/ing	deSca/e Solution (3 hrs, 4 °C)	10 ml scale
Clearing	SCALEVIEW-S4 (6 - 8 hrs, 37 °C)	
Mounting	SCALEVIEW-SMt (RT)	

AbSca/e solution: 0.33 M Urea, 0.1 % (wt/vol), TrtonX-100 in 1×PBS(-)
 Sca/eB4(0): Urea: 240. 24 g in 500ml water