

培養細胞中で発現された β -GalactosidaseのX-galを用いた
酵素科学的染色法

(written by Dr. Miura)

1. glutaraldehyde (25%) 〔半井、E M用〕 200 μ l / 5 ml medium
5-10 min at room temp.
2. wash 3 times with PBS
3. add X-Gal solution (1.8 ml/6 cm dish)
4. incubate at 37 for 30 min or o/n
5. stop with PBS & 1 mM EDTA

X-Gal solution	1.	10 mM KCl, 0.1 M Sodium phosphate (pH 7.5)	840 μ
	2.	1 M MgCl ₂	1 μ l
	3.	50 mM K ₄ [Fe(CN) ₆]	60 μ l
	4.	50 mM K ₃ [Fe(CN) ₆]	60 μ l
	5.	10% Triton X-100	10 μ l
	6.	2% X-Gal in DMF	25 μ l
		Total	1 ml