

Protocol for wholemount SA- β -Galactosidase assays on tissues

TESTED FOR FAT, KIDNEY AND LIVER

1. Perform perfusion on mice with 10mL sterile PBS 1X and harvest tissues of interest.
2. Rinse tissues 3x in PBS 1X at pH=5.5.
3. Fix the whole tissue overnight at 4°C in PBS containing 0.5% glutaraldehyde.
4. Wash 2 x 15 minutes in PBS (pH=5.5) at 4°C.
5. Incubate in SA- β -gal solution containing X-gal at pH 5.5 at 37°C for 60-120 minutes and take a look each 30 minutes.
6. Wash tissues 3x in PBS 1X.