Mouse Bone Marrow Transplantation

A. Solutions

Flushing Solution (pH 7.3)

DMEM	225 ml
FBS	25 ml
heparin	10 U/ml (3.125 ml of stock* per 250 ml)

*heparin stock = 10 µg/µl
80 units heparin/mg = 0.08 units/µg
So a 10 µg/µl stock is 0.8 units/µl.

ACK lysing buffer (pH 7.2-7.4)

NH_4Cl	4.15 g
$KHCO_3$	0.5 g
Na_2EDTA	18.6 mg
H_20	500 ml

Washing Buffer

1X PBS	50 ml
Albumin	1g

Suspending solution

DMEM	50 ml
Albumin	0.5 g
heparin	5 U/ml (312.5 µl of stock*)

B. Set up the day before the experiment

1. Prepare Flushing, Washing and Suspending solution fresh.
2. Sterilize dissecting tools.
3. Irradiate recipient mice.
4. Bring donor mice over from mouse house.

Take to mouse house:
University ID
P200 and sterile tips
mouse immobilizer
insulin syringes
250ml flask
cells
ice bucket