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**Standard Operating Procedure**  
Injections and immunizations

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**Injections of cells via intraperitoneal route**

1. Adjust volume of cells to 100  $\mu$ l with cold PBS.  $10^5$ - $3 \times 10^5$  CD34<sup>+</sup> hematopoietic progenitor cells per injection.
2. Prepare Hamilton syringes for injection.
3. Immobilize the pups by grabbing in the neck.
4. Inject animal with 20  $\mu$ l cell suspension intrahepatically on the right side of the abdominal cavity (let side when mouse is facing you).

**Injection of cells via intravenous route**

1. Adjust volume of cells to 10  $\mu$ l with cold PBS.  $10^5$ - $3 \times 10^5$  CD34<sup>+</sup> hematopoietic progenitor cells per injection.
2. Prepare 1 ml syringe with 27 G needles for injection. Avoid bubbles!!
3. Warm the mouse and place it in a restraining tube.
4. Wipe tail with alcohol pad
5. Inject 10  $\mu$ l of cells carefully iv
6. Stop bleeding with gauze pad

**Immunization of mice with tetanus-toxoid or DEC-205 fusion antibody**

1. Prepare endotoxin-free, azide-free fusion antibody in PBS on ice. For TT, mice are injected with 1/50 of a human dose (= 10  $\mu$ l). For fusion antibodies 5  $\mu$ g are used per injection.
2. Adjust volume of TT or antibody dose with 50  $\mu$ g Poly(I:C) as adjuvant to 200  $\mu$ l with cold PBS.
3. Prepare 0.5 ml insulin syringes for injection.
4. Fix animals by grabbing in the neck and pulling back the fur.
5. Inject animal with 100  $\mu$ l of TT or antibody on either side of the abdominal cavity

**Immunization of mice with lentiviral particles encoding latent EBV particles via intraperitoneal route**

1. Thaw viral stocks on ice.
2. Adjust volume of planned viral dose to 100  $\mu$ l with cold PBS.  $1$ - $5 \times 10^8$  recombinant lentiviral particles are used per injection.
3. Prepare 0.5 ml insulin syringes for injection.
4. Fix animals by grabbing in the neck and pulling back the fur.
5. Inject animal with 100  $\mu$ l of virus on either side of the abdominal cavity

### **Immunization of mice with lentiviral particles encoding latent EBV particles via intravenous route**

1. Thaw viral stocks on ice.
2. Adjust volume of planned viral dose to 10  $\mu$ l with cold PBS.  $1-5 \times 10^8$  recombinant lentiviral particles are used per injection.
3. Prepare 1 ml syringe with 27 G needles for injection. Avoid bubbles!!
4. Warm the mouse and place it in a restraining tube.
5. Wipe tail with alcohol pad
6. Inject 10  $\mu$ l of cells carefully iv
7. Stop bleeding with gauze pad