

## Injection Protocol

### Procedures:

#### Injection Procedure:

1. We use **Matrigel™** at a concentration of 33% of the final liquid volume in the cell suspension being injected. Typically we inject 2-3 million cells in 40ul of serum free DMEM + 20 ul of Matrigel.
2. Place a 15 ml conical tube containing 10 ml cold PBS in ice.
3. Pre-cool syringe: place a 300 ul insulin syringe with a 29ga needle into the cold PBS, drawing 50 to 100 ul PBS into it.
4. Mix the cell/Matrigel mixture thoroughly using pipettor.
5. Shave and cleanse with 70% EtOH the skin of the mouse to be injected.
6. Expel the PBS from the syringe and gently draw up your cell suspension.
7. Holding the skin with a clean pair of forceps, inject the mixture subcutaneously.

### Materials:

#### Matrigel

BD Biosciences 'BD Matrigel™ Matrix Basement Membrane' (Part number 354234)

Thaw completely overnight @ 4°C.

Always keep it cold, using pre-cooled tubes, tips, and syringes (it gels at room temp)