1. Pre-heat centrifuge by spinning at **4000rpm, 37C, 30 mins.**

2. Trypsinize organoids of interest, collect in conical tube.

3. Resuspend in 500ul of conditioned media, polybrene, and Y27632 scaled up for the necessary number of transfections as follows:

4. Set up **24-well low attachment plates** with the appropriate number of wells for transfection, including one no virus control. Add 500ul organoids in media to each well.

5. Add 100-200 ul of lentivirus to each well.

5. Spin plates at **500rpm,1 hr, 32C.**

6. After spinning, transfer to incubator.

7. **3-6 hours** after finishing the spin infection and transferring to incubator, **add 1mL media** to each well (to dilute polybrene and virus). Spin down and plate with Matrigel into fresh plates and add appropriate media to grow.

8. Two days later begin **antibiotic selection**.

We usually aim to use at least 5 domes of full grown healthy organoids per spinoculation.