



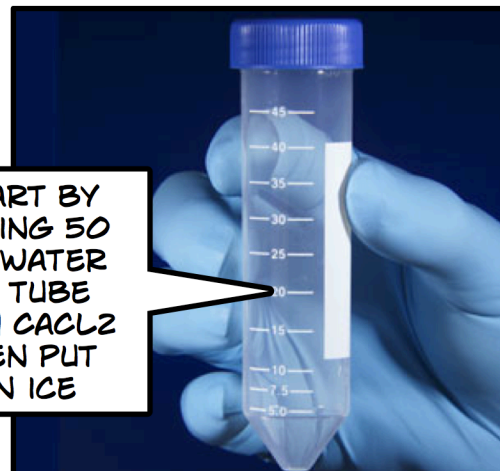
# HERE'S WHAT YOU'LL NEED:

PETRI DISH WITH PATCH OF 4-1, 4-2 CELLS GROWING  
 4 SMALL TUBES WITH BEADS  
 6 EPPENDORF TUBES (2 PURPLE, 2 GREEN, 2 WHITE)  
 4 CLEAN PETRI DISHES  
 15 ML TUBE WITH LB  
 GLASS TUBE WITH WOODEN DOWELS

# CHECK THAT THE TABLE HAS:

PIPETS (5, 100, 500) AND TIPS  
 ICE BUCKET  
 CACL2 AND BOTTLED WATER  
 SHARPIES, TIMER, WASTE BUCKET, DNA SAMPLES  
 GLOVES, BENCH PAPER, TAPE

START BY  
 ADDING 50  
 ML WATER  
 TO TUBE  
 WITH CACL2  
 THEN PUT  
 ON ICE



SCRAPE A PATCH OF 4-1 CELLS INTO 500 UL  
 CACL2 IN AN EPPENDORF, PUT THE TUBE ON ICE

SCRAPE A PATCH OF 4-2 CELLS INTO 500 UL  
 CACL2 IN AN EPPENDORF, PUT THE TUBE ON ICE

ADD 5 UL OF PRL DNA TO EACH OF THE TUBES  
 WITH PURPLE TAPE

ADD 5 UL OF GRN DNA TO EACH OF THE TUBES  
 WITH GREEN TAPE

PAY ATTENTION  
 HERE!!

LABEL A PURPLE TUBE 4-1  
 AND THE OTHER 4-2  
 LABEL A GREEN TUBE 4-1  
 AND THE OTHER 4-2

THEN ADD 200 UL CELLS  
 (MIXED WELL)  
 TO THE RIGHT TUBES  
 AND PUT THEM  
 BACK ON ICE



HEAT SHOCK CELLS + DNA AT  
 42° FOR 90 SECONDS

REMOVE TUBES FROM HEAT  
 BLOCK

ADD 500 UL LB TO EACH TUBE

ADD 200 UL OF DNA+CELLS  
 TO A PETRI DISH

Merge the sticker from the  
 eppendorf to the media-  
 side of the petri dish

ADD THE BEADS AND SHAKE  
 THEM AROUND TO SPREAD THE  
 CELLS.

REPEAT FOR REMAINING  
 SAMPLES

TAPE PETRI DISHES TOGETHER  
 & DISCARD TIPS, BEADS AND  
 TUBES IN WASTE BUCKET