

# Quick Fly Genomic DNA Prep

1. Collect 30 anesthetized flies in eppendorf tubes and freeze at  $-80^{\circ}\text{C}$
2. Grind flies in 200 $\mu\text{L}$  Buffer A with disposable tissue grinder (Kontes).
3. Add an additional 200 $\mu\text{L}$  Buffer A and continue grinding until only the cuticles remain.
4. Incubate at  $65^{\circ}\text{C}$  for 30 minutes.
5. Add 800 $\mu\text{L}$  LiCl/Kac Solution and incubate on ice for at least 10 minutes.
6. Spin for 15 minutes at room temperature.
7. Transfer 1mL of the supernatant into a new tube, avoiding floating crud.
8. [If crud transfers, respin and repeat transfer step]
9. Add 600 $\mu\text{L}$  isopropanol, mix, spin for 15 minutes at room temperature.
10. Aspirate away the supernatant, pulse, aspirate, and wash with 70% ethanol. Dry.
11. Resuspend in 150 $\mu\text{L}$  TE.
12. Store at  $-20^{\circ}\text{C}$

## **Buffer A:**

100mM Tris-HCl, pH 7.5  
100mM EDTA  
100mM NaCl  
0.5% SDS

## **LiC/Kac Solution**

1 part 5M KAc stock, 2.5 parts 6M LiCl stock