

Drosophila Genomic DNA Extraction:

1. Starve approximately 100 flies overnight in a flask with a damp Kimwipe.
2. Knock out flies with CO². Transfer to a tube with 500 ul of Fly Crushing Buffer.
3. Grind flies, then incubate at 65° for 30 min.
4. Add 70 ul of 8M K acetate, incubate 30 min. on ice.
5. Spin tube for 10 min.
6. Transfer supernatant to a new tube.
 - a. Phenol/Chloroform extract 1X.
 - b. Chloroform extract 1X.
 - c. Add 10% vol. NaCl and 2 vols. EtOH to precipitate.
 - d. Spin 10 min., wash with 70% EtOH and dry pellet.
7. Resuspend in TE (approximately 1 ul/fly).

Solutions:

Fly Crushing Buffer:

0.1M NaCl

0.2M Sucrose

50mM EDTA

0.1% SDS

0.1M Tris HCl (pH 9.2)

8M K acetate:

78.51g in 100ml