

Genomic DNA Isolation from Sperm

About 15 mg of DNA can be isolated from 1 ml of sperm.

Sperm Isolation Buffer (1X SIB):

200mM Tris pH 8.0

100 mM EDTA

Use 100 ml SIB per ml of dry sperm

Dissolve sperm in SIB

Add Prot. K to 50 ug/ml final

Add SDS to 1% final

Incubate at 37C for several hours

Phenol extract

Add NaCl to 50 mM Final

Chloroform extract

Layer 100% EtOH, spool onto glass rods