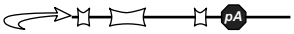
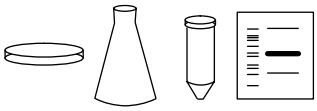
Flowchart and Timetable for Generating Transgenic Animal

Day -X 

Investigators design and construct transgenic expressing vector

Day -Y 

Plasmid maxi-preparation and DNA fragment purification

Day -3

PMSG hormone prime egg donors

Day -1

hCG superovulate egg donors and set mating

Day 0

Collect fertilized embryos and microinject purified DNA to male pronuclei

Day 1

Implant virable injected embryos into oviducts of pseudopreganant fosters

Week 3

Pups born

Week 6

Eag tag and tail biopsies, tails transferred to investigator

Week 7-9

Transfer of founders to investigator.

Week 11

Transgenic mice ready to be outcrossed

Week ?

Analyze phenotypes