

## **BioPrime biotin labeling (FISH probe)**

1. Set up reaction mixture:

5 $\lambda$  DNA (100ng-1 $\mu$ g of template)  
20 $\lambda$  Primer mix (2.5X)  
19 $\lambda$  H<sub>2</sub>O

boil 5 min --> ice 1 min.

5  $\lambda$  dNTP mice (10X)  
1 $\lambda$  Klenow fragment

2. incubate in 37°C water bath 1.5 hrs.

3. Add 5 $\lambda$  STOP buffer

4. Add 450  $\lambda$  H<sub>2</sub>O  
50 $\lambda$  5M NH<sub>4</sub>OAc  
500 $\lambda$  Cold isopropanol

5. Chill 15-30 min

6. Microcentrifuge at maximum for 30 min.

7. Carefully remove supernatant and air dry pellet