

Protocol for DNA Random Primer Labeling

COMPONENTS:

ddH ₂ O	30μl
OLB (A,G, &TTP)	7μl
Random Primers (90 OD-U/ml)	5μl
BSA (10mg/ml)	2μl
DNA (33ng/μl)	2μl
[α- ³² P]dCTP (10 mCi/ml)	3μl
Klenow 2U (1U/μl)	1μl

1. Combine:

ddH ₂ O	30μl
random primers	5μl
DNA	33μl

2.

3. Boil for 5min (or use 100°C in thermocycler)
place on ice, spin down, place on ice

4. Add:

OLB	7μl
BSA	2μl
[α- ³² P]dCTP (10 mCi/ml)	3μl

5.

6. Mix and spin down

7. Add 1μl Klenow, mix, spin down, and incubate for one hour at RT

(This is a total of 50μl)
