Please cite the J.B. Lawrence Lab or publications for use of this protocol. Thanks!

Nick/labeling reaction:
1ug - DNA
4ul - Nucleotide mix *
6ul - Biotin-16-dUTP (Roche Cat# 11 093 070 910) or Digoxigenin-11-dUTP (Roche Cat# 11 093 088 910)
4ul - Roche Nicktranslation Mix (Roche Cat# 11 745 808 910)
Bring up to 20ul with H20

Incubate for 2½ hours in a 15°c water bath.

Stop reaction:
2ul - 0.5M EDTA
2ul - 5% SDS
Heat at 80°c for 10 minutes

Precipitate:
2ul - ssDNA + tRNA (Sigma D-9156)
2.6ul (0.1 volume) - 3M Sodium acetate
71.5ul (2.5 volume) - 95% cold ETOH
Place in -20°c for 1 hour or overnight

Spin tubes at 10,000 rpm for 30 min
Rinse pellet with 70% cold ETOH
Air dry or speed vac the pellet

Resuspend in 80ul of H2O (use 5ul of this concentration in hyb reaction)
Store at -20°C