

Available from IDT <http://www.idtdna.com>

Template DNA 5'TTTTCCGGAAGCCCCAAGGAAGGGAAAAATCCTTAACGGAACACTGGCCGTCGTCGTACA3'

concentration: 1.5 pmole/ul
buffer: TE (10 mM Tris pH 8.0, 0.1 mM EDTA) or HPLC-grade water at -20C
unit volume: 100 ul / tube

calc:
$$\frac{2 \text{ ul per group}}{\times 32 \text{ enough for 16 groups to run twice}} = 64 \text{ ul}$$

100 ul round up

Biotin tagged Primer 5'-biotin-TGTACGACGACGGCCAGTGTTCCGTTAAGGAT3'

concentration: 1.5 pmole/ul
buffer: TE (10 mM Tris pH 8.0, 0.1 mM EDTA) or HPLC-grade water at -20C
unit volume: 100 ul / tube

calc:
$$\frac{2 \text{ ul per group}}{\times 32 \text{ enough for 16 groups to run twice}} = 64 \text{ ul}$$

100 ul round up

DNA Sizing Standards

32 bases 5'-biotin-TGTACGACGACGGCCAGTGTTCCGTTAAGGAT3'

45 bases 5'-biotin-CAAGGAAGGGAAAAATCCTTAACGGAACACTGGCCGTCGTCGTAC

60 bases 5'-biotin-TTTTCCGGAAGCCCCAAGGAAGGGAAAAATCCTTAACGGAACACTGGCCGTCGTCGTACA

concentration: 0.038 pmol/ul of **EACH** DNA strand
buffer: TE (10 mM Tris pH 8.0, 0.1 mM EDTA) or HPLC-grade water at -20C
unit volume: 600 ul / tube of the **mix (200ul/tube of each DNA strand)**

Calc
$$\frac{15 \text{ ul per gel}}{\times 32 \text{ enough for 16 groups to run twice}} = 480 \text{ ul}$$

600 ul round up 600 ul / 3 DNA strands = 200 ul each

Other Hints:

Go to: <http://www.idtdna.com>

Pick Order

Pick [Custom DNA Oligos](#)

Pick [Multiple Entry](#)

Then add your sequence for each oligonucleotide

To add the biotin tags, pick "edit" and then pick "5' mods", then pick "biotin"