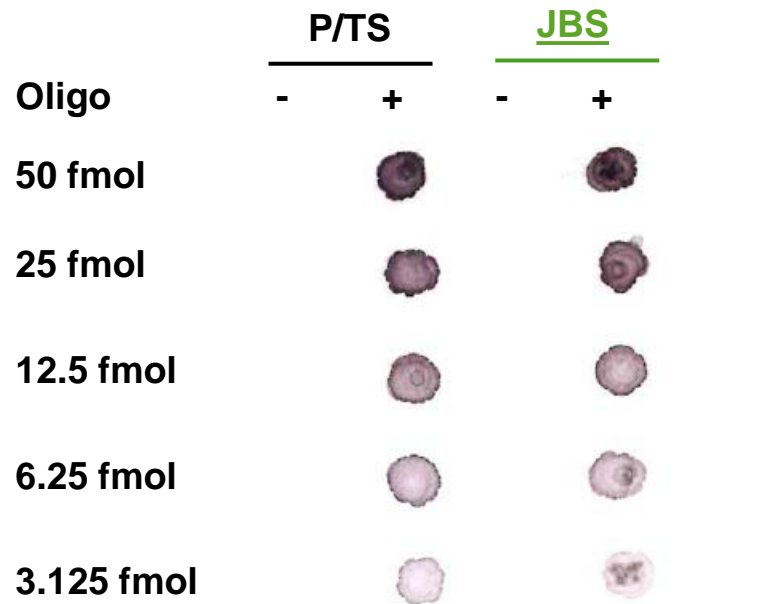


Comparable labeling efficiency of Jena Bioscience's BIO 3'-End Oligonucleotide Labeling Kit & Pierce/Thermo Fisher's Biotin 3' End DNA Labeling Kit

Dot Blot analysis of labeling efficiency



P/T**S**: Biotin 3' End DNA Labeling Kit (competitor P/T**S**)

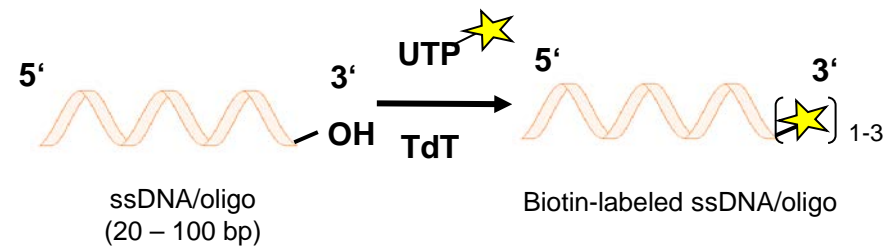
J**B**S: [BIO 3'-End Oligonucleotide Labeling Kit \(J**B**S\)](#)

- : negative control (labeling reaction with UTP)

+ : Biotin-labeled oligonucleotide (labeling reaction with Biotin-11-UTP)

[More detailed information ...](#)

Labeling reaction



TdT: Terminal deoxynucleotidyl Transferase  Biotin

Experimental conditions

1) Labeling reaction:

5 pmol oligonucleotide (60 bp), 50 pmol UTP (negative control) or 50 pmol Biotin-11-UTP (Biotin labeling reaction)*, 1x TdT Reaction Buffer*, 20 U TdT* ad 50 µl PCR-grade H₂O (*derived from JBS or P/T**S** Kit)

2) Incubation for 30 min at 37°C

3) Dot Blot analysis of labeling efficiency: Oligonucleotide sample dilution series (50 – 3.125 fmol) and subsequent Biotin detection with Streptavidin-Alkaline Phosphatase (according to „Chromogenic Biotin Detection Kit“/ThermoScientific)