

Treatment for thiol modified oligonucleotides

1. Dissolve the dried thiol-modified oligonucleotide (5 OD based) in distilled water or an appropriate buffer, e.g 0.1M TEAA pH 7.5 (50 μ l)
2. Add 10 μ l of 1.0 N dithiothreitol (DTT), vortex, then incubate at room temperature for 15 minutes.
(1.0 N DTT: 0.01 M Sodium acetate (pH 5.2) 20 ml + 1.545g DTT dissolve (filtration))
3. Remove excess DTT and unwanted thiol fragments from the thiol-modified oligonucleotidemixture by extracting with ethyl acetate 3 times, using 50 μ l per extraction. Discard the upper layer after vortexing the mixture. You must immediately proceed to the next step since the free sulfhydryl group becomes unstable after the removal of DTT.

