

Annealing of Adapters

1. Dissolve each adapter in the appropriate amount of water to give a concentration of $50\mu\text{M}$.
 $(50\mu\text{M})(\text{M.W. of oligo } \mu\text{g}/\mu\text{mol}) = \mu\text{g}/\text{L}$
 $\mu\text{g}/\text{L}$
----- = $\mu\text{g}/\text{ml}$
1000
Actual $\mu\text{g}/\text{desired } \mu\text{g}/\text{ml} = \text{ml of water}$
2. Mix oligos in a 1:1 ratio.
3. Add NaCl to find a concentration of 50mM.
4. Boil 1L of water. When the water is 95°C , set the adapters in a floating rack and incubate until the temperature of the water reaches room temperature.