

26/09/2015 15:31

1. Aliquot of 100 μL of DH5 α Ca²⁺ competent cells was mixed with 10 μL of ligation
27.07.15 (from yesterday) and incubated on ice for 30 min.

- 1: 30 μL of ligation mixture
- 2: 10 μL of ligation mixture

make pre-
warmed
37 C
medium

2. Uptake of DNA was induced by heat shock 5 min at 37 C. (or **1 min at 42 C**)
maybe put some water for better heat transfer

3. After the heat shock the cells were diluted in 500 μL of prewarmed LB medium
(37C) and incubated for 1 h by shaking at 250 rpm

4. 350 μL aliquotes of cell suspensions were plated onto LB agar with Amp 100, Tet
10, Km 20 antibiotics.

5. Plates were incubated overnight at 37 C