Transformation of vectors/DNA into chemically competent cells

- thaw 50-100 µL chemically competent cells on ice
- add 1 µL vector or 10 µL ligation mix and mix well by gently tipping the tube with your finger
- incubate on ice for 30 min
- perform heat shock in thermomixer (without shaking): 42°C for 45s
  (Rosetta and Codon Plus only for 30s!)
- put on ice for 2 min
- add 500 µL pre-warmed (37°C) LB or SOC medium (without antibiotics!)
- shake at ~ 400rpm for 1h in thermomixer at 37°C
- transformation with vector: plate ~ 50 µL onto an agar plate containing the appropriate antibiotics

  transformation with ligation mix: collect cells by gentle centrifugation (1000rpm, 2 min), carefully discard supernatant until ~ 50-100 µL are left in the tube, gently resuspend cells and plate out as above