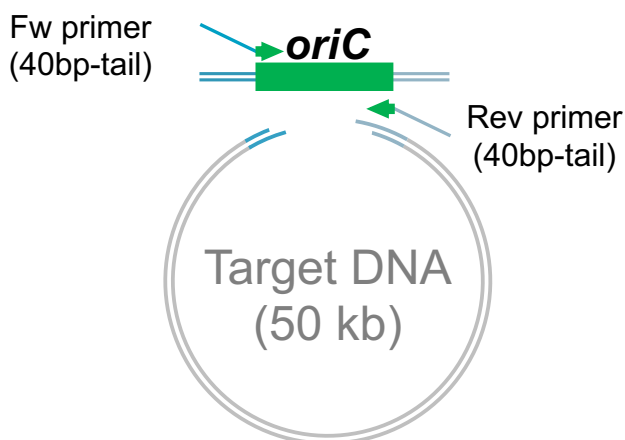


Long DNA amplification / Isothermal reaction / 6 hours incubation

Amplification of 50 kb DNA

I. DNA constructs



II. Result

Amplification of 50 kb DNA. 50 kb circular DNA containing *oriC* (5 ng as circular DNA) was incubated in the OriCiro Amp reaction (10 μ L) at 33°C for 6 hr. Although the amplification yields replication intermediates but not supercoiled molecules (-), Further incubation after 2-fold dilution with the OriCiro Amp buffer at 33°C for 30 min (Finalization option) generates the supercoiled molecules of 50 kb circular DNA whose size can be separated in normal agarose gel electrophoresis (+).

