

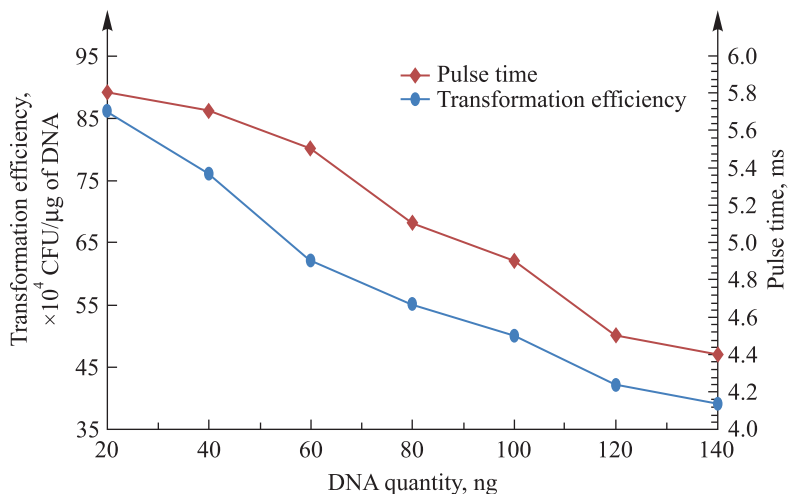


Fig. 4. Effects of plasmid pMTL7-1 quantity on the pulse time and transformation efficiency of *B. subtilis* strain 5434 using the high osmolarity method. The data demonstrated the means of three transformations. The optimised protocol of high osmolarity defined in section «Materials and methods» was followed. Also 20–140 ng of plasmid pMTL7-1 as a positive control of transformation were used in the transformation with the settings 25 μ F, 23 kV/cm, 200 Ω