

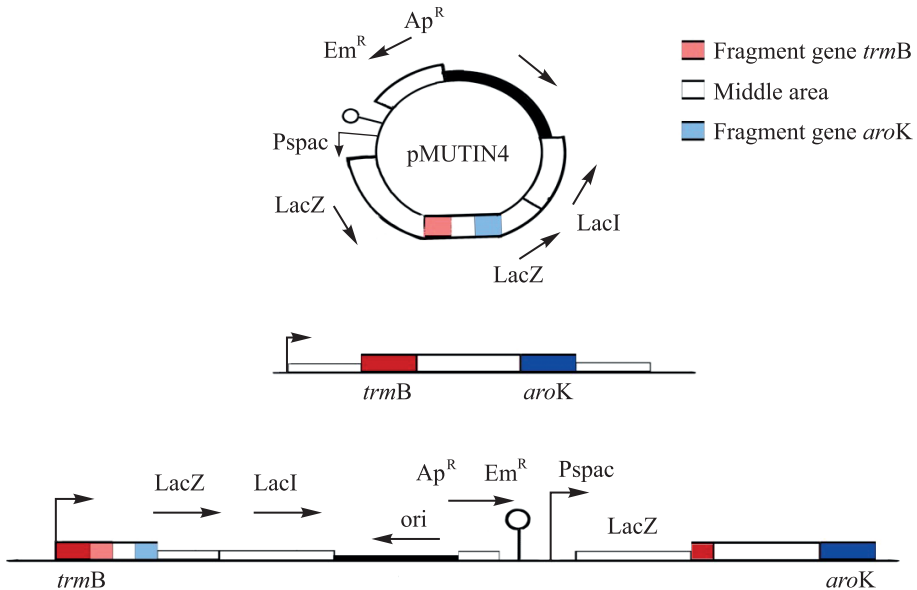


Fig. 1. Design of the integrational vector pMUTIN4 with the homologous sequence (*trmB*-*aroK*) inserted into the bacterial chromosome