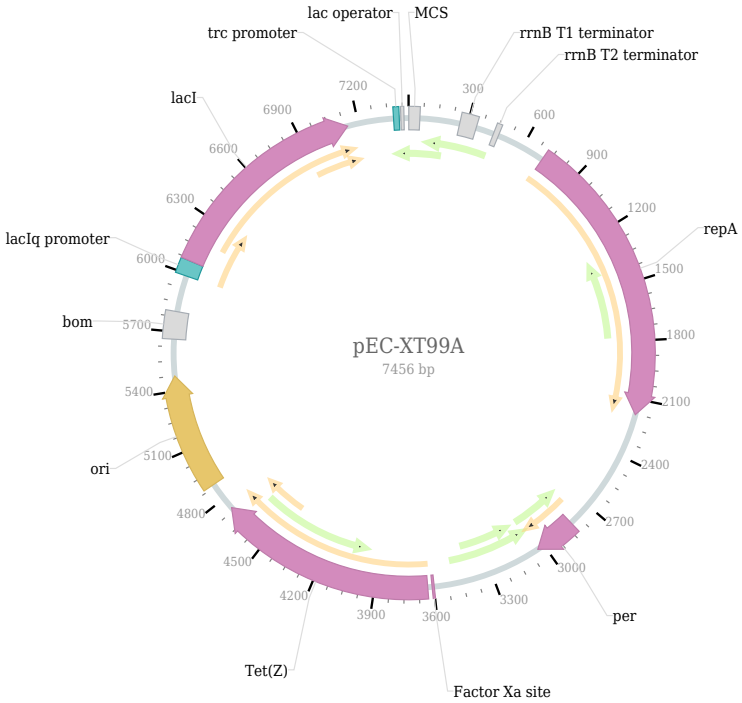
pEC-XT99A

Vector ID	V007658
Antibiotic Resistance	Tetracycline
Length	7456 bp
Vector Type	Shuttle expression vector

Product Information

Replication Origin	ori
Source/Author	Kirchner O, Tauch A.
Growth Strain(s)	DH5a
Comment	pEC-XT99A is an E. coli–C. glutamicum shuttle expression vector, combining a high-copy ColE1 origin for construction in E. coli with the pGA1 minimal replicon (repA/per) for autonomous replication in C. glutamicum. Expression is driven by Ptrc and tightly regulated by vector-encoded lacIq and the lac operator, inducible with IPTG; rrnB T1/T2 provide termination.

Vector Map



Plasmid Resuspension Protocol

1. Centrifuge at 5,000×g for 5 min.
2. Carefully open the tube and add sterile water to dissolve the DNA: add 20 µl for 5 µg plasmid, and 100 µl for 100 µg plasmid.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin to concentrate the liquid at the bottom. Speed is less than 5000×g.
5. Store the plasmid at -20 ℃.