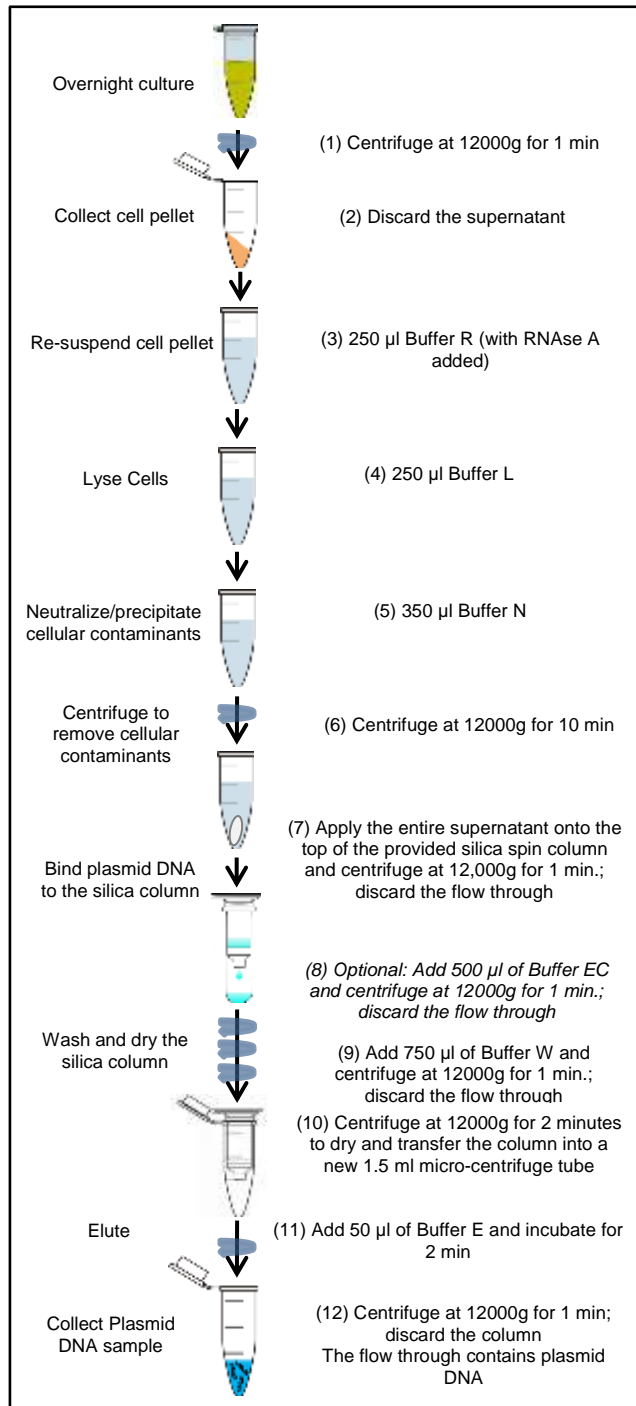


VIII. Protocol Quick Guide



FOR RESEARCH USE ONLY!
Not to be used on humans

IX. Trouble Shooting

Issue	Possible Reason	Recommendations
Low yield	Low bacteria concentration	Monitor OD ₆₀₀ of your overnight culture. We recommend OD ₆₀₀ range between 1 and 2.
	The plasmid is a low copy number plasmid	Increase the number of bacterial cells used by spinning down up to 5 ml of overnight cell culture.
No DNA band/ severe smear on gel	DNAse / endonuclease contamination	Use DNase free aerosol tips, DNase-free tubes, and practice good sterile technique
		Perform the endonuclease removal wash with buffer [Buffer ER] in step "i" of the "column binding and washing" section to remove contaminating cellular endonucleases

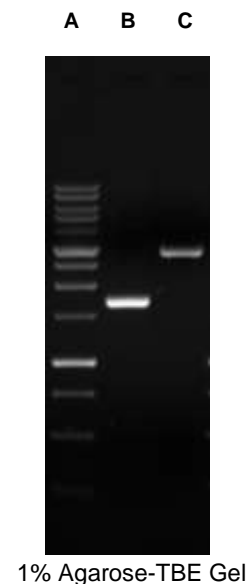


Figure 1: Isolation of pUC19 plasmid from DH5 α cells using BioVision's Plasmid Miniprep DNA Isolation Kit.
Lane A: BriteRuler 1 kb DNA Ladder (Cat#9301-100)
Lane B: pUC19 plasmid DNA, uncut/supercoiled
Lane C: pUC19 plasmid DNA, linearized with NdeI Restriction Endonuclease.