M13 Putative Plasmid Screen PCR Worksheet (50 µl rxn volumes)

Sample(s): _____ Name: _____ Date: _____

Cocktail mixture for n = _____ (Rem: Add one more for negative control)

Component	**Volume/rxn (µl)**	**Times n =**	**Total Volume Added**
10X PCR Buffer	5.0		
dNTPs (10 mM)	4.0		
M13F (50 µM)	0.5		
M13R (50 µM)	0.5		
BSA (10 mg/ml)	1.0		
Mg^{++} (25 mM)	5.0		
Taq 95 (5 U/µl)	1.0		
Subtotal =	*17*		
Optima Water	(50 - subtotal) = *33*		
	Total cocktail vol =	subtotal + H_2O =	
	Cocktail per tube =	50 =	

Mix cocktail including Opt. H_2O first, aliquot to PCR tubes, then add plasmid template from isolated colony by touching with toothpick and then rubbing tip on tube wall just submerged in PCR mix.

Method Name: _____ (Re: on ABI 9700)

Comments: