

## QC Results

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### DGRC Quality Control Results

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Random FTA discs were picked and transformed into the *E. Coli* strain indicated using the FTA processing procedure version 3.2. DH5 $\alpha$  competent cells were made in-house (protocol listed on the DGRC website). The cells had an efficiency of  $5.7 \times 10^7$  cfu/ $\mu$ g (for pUC19 plasmid)

After transformation, colonies were counted and results are reported as follows:

Good = 76+ colonies or more per 100 $\mu$ L of transformation plated

Fair = 21–75 colonies per 100 $\mu$ L of transformation plated

Poor = 20 colonies or less per 100 $\mu$ L of transformation plated

None = transformation failed

	FTA microcard format (DGC collections)	96-well FTA format (EST collection)
	N=20	N=30
Good	75%	40%
Fair	10%	40%
Poor	5%	20%
None	10%	0

- Common Vector and DGC collections were spotted on Whatman FTA micro cards using DGRC Standard Operating Procedure FTA 2.0
- Gold and EST clones were spotted on Whatman 96-well FTA cards using DGRC Standard Operating Procedure FTA 3.0