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Colony PCR

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Protocol status: Working

We use this protocol and it's working

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Abstract

This PCR method can be used to screen for inserted target genes or DNA sequencing analysis.

Materials

2×high Taq Master Mix (Enzyme)

Template

F/R primers

ddH₂O

Bio-rad S1000TM Thermo Cycler.

Safety warnings

- ! Please wear gloves for the experiment, don't try to touch the lid after PCR program initiation.

Before start

Synthesize primers in advance.

- 1 Pick colonies as the template for colony PCR. The number picked for each plate depends on the difference between the positive and negative controls.

2×high Taq Master Mix (Enzyme)	5 µl
Template	0.4 µl
Forward Primer (10 µM)	0.4µl
Reverse Primer (10 µM)	0.4 µl
ddH ₂ O	3.8 µl

Fill the rest with water.

- 2 Test digest performed and products analysed using agarose gel electrophoresis to confirm if correct construct was present.
- 3 Use colony PCR to enlarge colony numbers. Then only the positive clones were mini-prepped.