

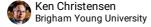
Sep 08, 2020

## © Colony PCR -- CHEM 584

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In Development dx.doi.org/10.17504/protocols.io.bk5xky7n



ABSTRACT

A quick way to screen transformants for an insert. This is faster and less expensive than doing a restriction digest.

DOI

dx.doi.org/10.17504/protocols.io.bk5xky7n

PROTOCOL CITATION

Ken Christensen 2020. Colony PCR -- CHEM 584. protocols.io https://dx.doi.org/10.17504/protocols.io.bk5xky7n

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CREATED

Sep 08, 2020

LAST MODIFIED

Sep 08, 2020

PROTOCOL INTEGER ID

41879

## After you have colonies from a transformation

- Draw grid on clean agar plate (use the appropriate antibiotic). You will use this to inoculate an overnight culture for a positive clone.
- Select colonies to pick. Streak portion of colony to numbered sector and place the remainder in a correspondingly numbered PCR tube with 50  $\mu$ L of autoclaved water.
- Heat at 95 °C for 10 minutes. \*\* This can be done in PCR machine, a heat block, or a boiling water bath 3
- Spin solution on high for 10 minutes to pellet cellular debris, and remove 4  $\mu L$  for PCR.
- Setup and run the PCR reaction, then assess the results using agarose gel electrophoresis. Be sure to include a positive control (e.g., plasmid) if available. Negative controls are also useful if one is available.

mprotocols.io 09/08/2020

Citation: Ken Christensen (09/08/2020). Colony PCR - CHEM 584. https://dx.doi.org/10.17504/protocols.io.bk5xky7n

