

Colony PCR Protocol

Matthew Sullivan

Abstract

Citation: Matthew Sullivan Colony PCR Protocol. **protocols.io**

dx.doi.org/10.17504/protocols.io.c6czav

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Guidelines

Note: complete run takes about 5 hours, most of which does not require your direct attention.

Protocol

Step 1.

Ligated DNA is transformed into cells

Step 2.

Plate transformed cells on selection plate

Step 3.

Go home, wait 13 hours

 DURATION

13:00:00

Step 4.

Pick a well separated single colony from selection plate via yellow pipette tips

Step 5.

Move said colony to 96 well microtittle plate

Step 6.

Place individual colony into a single well containing 50 µl sterile distilled water

Step 7.

Repeat for as many colonies as desired

Step 8.

Make up PCR mix

Step 9.

Use multichannel pipette to add 7.5 µl PCR mix to a 96 well PCR plate

Step 10.

Add 2.5 µl colony solution

Step 11.

Run PCR reaction

 NOTES

VERVE Team 29 Jun 2015

Do something else while waiting.

Step 12.

Add 4 µl loading dye once PCR run is complete

Step 13.

Load (PCR reaction mix + dye) into gel and run

Step 14.

Complete run takes about 5 hours

 **DURATION**

05:00:00