DIY Spin Column DNA Extraction

Sarah Hessen-Schmidt

Abstract

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Protocol

Step 1.

Spin 500ul of bacteria broth culture at 10000g for 10 minutes. Pour off supernatant

Step 2.

Add 200ul Lysis buffer and 20ul Proteinase K. Vortex for 15 seconds and spin down

Step 3.

Incubate at 56 C for 1 hour

Step 4.

Add 200ul Binding Buffer and 200ul Ethanol to each sample. Vortex for 15 seconds and spin down

Step 5.

Transfer all 600ul of sample to a spin column and collection tube. Spin on high speed for 1 minute. Dispose of flow through

Step 6.

Add 500ul Wash Buffer. Spin on high speed for 1 minute. Dispose of flow through

Step 7.

Add another 500ul Wash Buffer. Spin on high speed for 1 minute.

Step 8.

Place the spin column in a new collection tube. Spin on high for 2 minutes

Step 9.

Place the spin column in a clean tube

Step 10.

Add 100ul TE buffer. Incubate at RT for 2 minutes.

Step 11.

Spin on high speed for 1 minute

Step 12.

Add another 100ul TE buffer. Incubate at RT for 1 minute. Spin on high speed for 1 minute.

Step 13.

Discard spin column. Extracted DNA is in tube.