Apr 08, 2019 Working	Fecal DNA extraction by bead beating
	Version 1
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ABSTRACT

From Surana Lab protocols

This protocol is suitable for extracting DNA from either human or mouse feces. Best results will be obtained with 10-60 mg of starting material

- 1 For each 2ml screw cap tube,
 - Add **400** µl beads

 - Add **250** µl SDS
 - Add $\,\,\overline{\,\,\,\,\,}\!_{\,\,}^{\,\,}500\,\,\mu l\,\,$ of PB buffer found in the Qiaquick PCR purification kit
- 2 Bead beat on Precellys, setting 2
- 3 Spin down the tubes for **© 00:05:00** at 4000 RPM in microcentrifuge
- 4 Proceed to PCR purification kit for the purification of up to 10 ug PCR products
- 5 Label & Place a QIAquick column in a 2ml collection tube (provided)
- 6 Apply the aqueous top layer of your sample onto the column and centrifuge for 🕓 00:01:00 , 17,900g (13,000 RPM), at room temperature.
- 7 After the spin, dump the contents of the collection tube.

9	Repeat steps 7 and 8
10	After the second wash and spin, and after dumping the contents of the collection tube, Spin the column and collection tube one last time to remove residual wash buffer for ③ 00:01:30
11	Place each QIAquick column in a clean 1.5 ml microcentrifuge tube.
12	To elute DNA, add 50 µl Buffer EB (provided in kit) OR water (pH of 7.0-8.5) to the center of the Qiaquick membrane and allow the tube to sit for 00:02:00
13	Centrifuge the column for ③ 00:01:30 17,900g (13,000 RPM), at room temperature
14	Quantify with the Qubit dsDNA BR Assay kit. Alternatively, a nanodrop suffices

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