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Gel Extraction

NUS iGEM[1]

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1 Works for me dx.doi.org/10.17504/protocols.io.7pthmnn

NUS iGEM
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MATERIALS

NAME	CATALOG #	VENDOR
QIAquick Gel Extraction Kit	28704	Qiagen

STEPS MATERIALS

NAME	CATALOG #	VENDOR
Buffer QG		
Isopropanol		
Buffer PE		
Buffer EB	19086	Qiagen

1 Add **450 µl** Buffer QG into 2ml tube containing gel slice

Buffer QG

1m

2 Incubate at **50 °C** for **00:10:00**

3 Add **150 µl** isopropanol to the sample and mix

Isopropanol

4 Transfer entire volume into QIAquick spin column

5 Centrifuge at **13000 rpm** for **00:01:00**

6 Discard flow through

7 Add **750 µl** Buffer PE to QIAquick spin column

Buffer PE

8 Centrifuge at **13000 rpm** for **00:01:00**

9 Discard flow through

10 Repeat steps 7 - 9

11 Place spin column onto a new eppendorf tube

12 Elute DNA by adding **30 µl** Buffer EB to the center of QIAquick membrane

Buffer EB
by Qiagen
Catalog #: 19086

13 Incubate at **Room temperature** for **00:04:00**

14 Centrifuge at **13000 rpm** for **00:01:00**

15 Collect eluted DNA