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RAPID RNA Extraction

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XPRIZE Rapid Covid Testing

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We are still developing and optimizing this protocol

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1 Add 140 µL saliva to 560 µL lysis buffer.

- 2 Shake the tubes violently by hand.
- 3 Incubate at 61 °C for 5 min.
- 4 Apply entire 700 µL to spin column.
- 5 Spin at 8 kRCF for 1 min.
- 6 Remove flowthrough with a pipette.
- 7 Add 500 µL wash 1 to the column.
- 8 Spin at 8 kRCF for 1 min.
- 9 Remove flowthrough with a pipette.
- 10 Add 500 µL wash 2.

- 11** Spin at 8 kRCF for 2 min.
- 12** Transfer column to a new tube and add 50 µL elution buffer.
- 13** Spin at 8k RCF for 1 min.
- 14** Add to LAMP reactions.