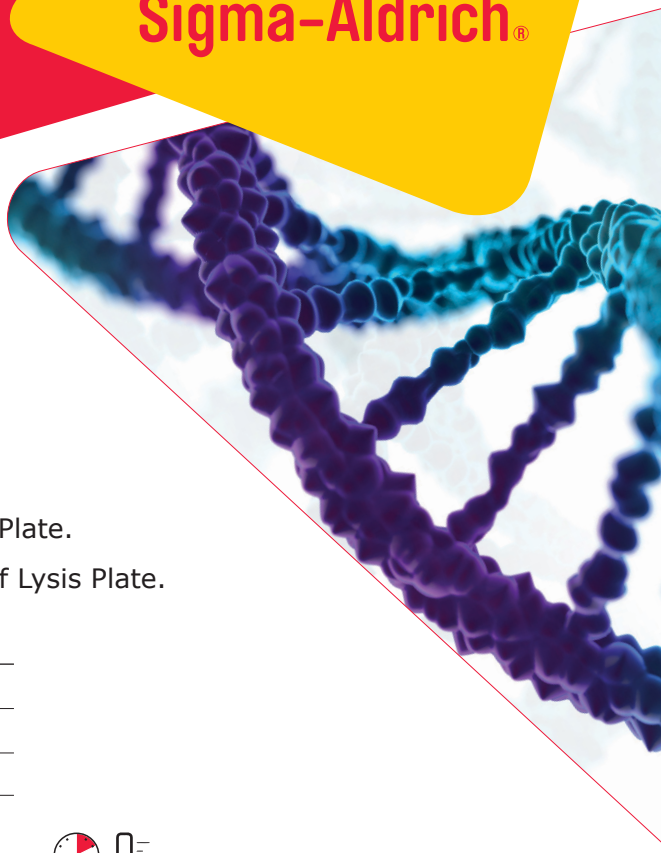
GenElute™-E Single Spin Checklist for Tissue DNA 96 Kit

Sigma-Aldrich®



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Preparation Before Starting

- ☐ Heat the thermal shaker or heating block/chamber to 60 °C.
- ☐ Set the centrifuge to 1,000 x g.

Lysis

- ☐ Add 1–20 mg of tissue sample per well of Lysis Plate.
- ☐ Prepare Lysis Master Mix, add 135 µL per well of Lysis Plate.

Number of samples	1	96 (+20%)
Tissue Lysis Buffer (LB)	130 µL	14,976 µL
SmartLyse™ T Protease (P)	5 µL	576 µL
Final Volume	135 µL	15,552 µL

Plate Preparation during lysis

Seal Lysis Plate tightly with Adhesive Foil. Incubate 30 minutes 60 °C, 10 minutes 80 °C

Thermal Shaker maximum agitation

- ☐ Remove Adhesive Foil. Prepare RNase Digest Master Mix, add 16 µL per well of Lysis Plate.

Number of samples	1	96 (+20%)
Clearing Solution T (CS)	15 µL	1,728 µL
RNase A Tissue ®	1 µL	115.2 µL
Final Volume	16 µL	1,843.2 µL

- ☐ Mix by pipetting. Centrifuge Lysis Plate for 3 minutes at maximum speed.

Preparation of Purification Plate (during 60 °C and 80 °C incubation)

- ☐ Detach lower and upper sealing foils from purification plate.
- ☐ Place Purification Plate on top of a Conditioning Plate.
- ☐ Centrifuge 1 minute at 1,000 x g to collect void buffer.
- ☐ Place conditioned Purification Plate on top of Storage Plate.

Purification of DNA

- ☐ Transfer lysis supernatant from Lysis Plate to Purification Plate.
- ☐ Centrifuge 1 minute at 1,000 x g to collect DNA into the Storage Plate.
- ☐ Collected DNA is ready to use.

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