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# 🌐 Protein extraction protocol


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[dx.doi.org/10.17504/protocols.io.5jyl896o6v2w/v1](https://dx.doi.org/10.17504/protocols.io.5jyl896o6v2w/v1)

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This protocol details protein extraction procedure.

[440-928.docx](#)

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rabdelha 2022. Protein extraction protocol. **protocols.io**  
<https://dx.doi.org/10.17504/protocols.io.5jyl896o6v2w/v1>



Protein extraction, protease inhibitor, Tissue extraction

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- Warm reagent to  **Room temperature** .
- Add protease inhibitor tablet (1 tablet/  **10 mL** ).

A	B	C
Weight of SN from 1 side	5 mg	Add 400 µL reagent
Weight of STR from 1 side	15 mg	Add 400 µL reagent
Weight of CB from 1 side	40 mg	Add 400 µL reagent
Weight of cortex from 1 side	30 mg	Add 300 µL reagent

## Protein extraction protocol

5m



1 Warm reagent to  **Room temperature** .

2 

Add protease inhibitor tablet (1 tablet/  **10 mL** ) (complete EDTA free).



3 

Add amount of reagent to each sample and transfer to bead beating tube.

4 Homogenize tissue sample in bead beater (see protocol in notebook), speed 3; let samples sit <sup>15m</sup>  
 **On ice** for 10-  **00:15:00** after to settle.

5 

5m

Centrifuge homogenized sample at  **10000 rpm** for  **00:05:00** .

**6** Collect supernatants and store in  **-80 °C** .