

## Standard DNA extraction protocol

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<b>2X CTAB Buffer:</b>	<b>(Per 200 ml)</b>
100 mM Tris-HCl (pH8.0)	20 ml 1 M Tris-HCl pH 8.0
1.4 M NaCl	56 ml 5 M NaCl (or 16.4 g)
20 mM EDTA	16 ml 0.5 M EDTA
2% CTAB	4.0 g powder
2% PVP40	4.0 g
0.2% $\beta$ -mercaptoethanol	add right before use

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### Before you doing:

1. Chill mortars and pestles in  $-20^{\circ}\text{C}$  freezer overnight.
2. Set water bath to  $65^{\circ}\text{C}$  and incubate 2X CTAB solution prior to use.
3. Add  $\beta$ -mercaptoethanol to CTAB buffer right before use.

(10ml pre-2X CTAB + 20  $\mu\text{l}$   $\beta$ -mercaptoethanol per sample)

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Grind  $\sim 0.5$ -1g leaf material w/ **liquid  $\text{N}_2$** , collect powder in **50 ml Centrifuge Tube**

