2% CTAB

Nhu Nguyen

Ingredients for 200 ml:

2 % CTAB (4.0 g)
100 mM Tris pH 8 (20 ml of 1.0 M sol)
20 mM EDTA (16 ml of 0.25 M sol)
1.4 M NaCl (16.4 g)
Fill up to 200 ml with ddH_2O.

1-2 % PVP polyvinylpyrrolidone 40 (4.0 g) – relieves the effects of PCR inhibitors
0.2 % Beta mercaptoethanol Add just before use; (20 µl per 10 ml solution)

Notes:
CTAB is Hexadecyltrimethylammonium bromide. Dissolve it before adding NaCl, with stirring and a little warmth, if necessary.

When the NaCl is dissolved, lots of tiny bubbles come out of solution; they rise to the surface very slowly, simulating undissolved material.

PVP of 40,000 average molecular weight makes the solution slightly translucent, but no large particles should be present after dissolving.

Beta-mercaptoethanol should be kept in the refrigerator in a dry box.