REDExtract-N-Amp™ Plant PCR Kit Protocol

This protocol follows the company's protocol.
https://www.sigmaaldrich.com/US/en/technical-documents/protocol/genomics/pcr/redextract-n-amp-plant-pcr-kit

1. Turn heat block on and preheat to 95C.

2. Label 1.5 ml tube

3. In the laminar flow hood remove a small piece of mycelium from the culture tube and transfer to a labeled 1.5 ml tube. Try to minimize the amount of agar.

4. Add 100 µL of Extraction Buffer (making sure the mycelium is completely submerged in the liquid; you may need to centrifuge) and firmly close tube lids.

5. Macerate with a a sterile plastic pestle
   or using a 0.2 mm zirconium oxide beads and bead beater for 1 minute on speed 10 and then briefly centrifuge

   ***Do not leave samples in the Extraction Buffer >25 minutes before proceeding to the heating step.

6. Incubate tubes at 95 °C for 10 minutes in heat block; then briefly centrifuge after incubation to remove condensation.

7. Add 100 µL of Dilution Solution and vortex to mix

8. Store the DNA at 2-8°C for short-term use and -20° to -80° for long-term storage.