Fecal Sample Treatment prior to DNA extraction

1. Fecal samples & zymo preservative should be aliquoted in 2mL cryotubes. Spin down at 15000rpm (max speed on centrifuge) for 10 minutes.
2. Extract supernatant from (1) into separate Eppendorf tube. Expect 800uL-1200uL. DO NOT throw it away.
3. Add all the spun down solid fecal matter into the PowerBead Pro Tube with your loop. Expect 0.1-0.25mg. Add 600uL supernatant extracted from (2) into the Tube as well. Do not add more – otherwise there will be too much liquid in the tube, which will affect yield.
4. Add 800uL CD1, vortex and continue on with step 2 of the Powerfecal Pro protocol.

Other notes:

1. You may not have enough supernatant at step 4 (you might have ~400uL). Do not add extra CD1 and proceed as usual.
2. Conversely, some samples will have too much supernatant at step 4 (~ 1000uL), just extract the expected 600uL. Do not extract any more as it will require tweaking subsequent solution volumes and yield becomes unstable.
3. You may not have enough supernatant at step 6 - you may add extra CD2 (~250uL), revortex the mixture and repeat step 6.