Clean up Cell extracts/Phase separation

# First extraction

* 1. Let samples thaw in the shaker, shake for 30 min to 1h at 4°C, 750 rpm (or max speed, perhaps vortex in between)

* 1. **Centrifuge** falcons for 7 min at 5500 g or maximum speed and room temperature (23 °C)

* 1. After centrifugation transfer **polar phase (above)** into a labeled 15 mL falcon (the amount is depending on the overall amount, e.g. **4 mL**) and the lipid phase (below) into an 1.5 mL eppi (the amount is depending on the whole amount, **2x100 µL**)
  2. Dry lipid phase, if possible under nitrogen stream  
     (evaporation manifold [[10.1007/s10616-005-5876-3](https://dx.doi.org/10.1007%2Fs10616-005-5876-3)])
  3. Store lipid phase extracts at -80°C
  4. Freeze at -80°C or dry in the speedvac (4-5 hours, keep speedvac times as similar as possible between batches), no heating, if possible set speedvac to 25 °C

# 2nd extraction (polar phase)

*20% MeOH doesn’t contain cinnamic acid, as this internal standard was added at extraction*

* 1. Add 700 µL of 20% MeOH to each falcon

* 1. Shake, vortex for 30''
  2. **shake** the falcons at RT in a shaker (750 rpm or more) for 20 minutes
  3. **Centrifuge 5 minutes at max speed (e.g. 7000 g)**
  4. **Transfer 2x 320 µL** into labeled 1.5 mL eppis (gives 2 possible replicates)
  5. Dry in the speedvac (should be 2-3 hours, keep speedvac times as similar as possible between batches), without heating, if possible at 22 °C
  6. Store at -20 °C or -80 °C, ready to be sent to Berlin
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