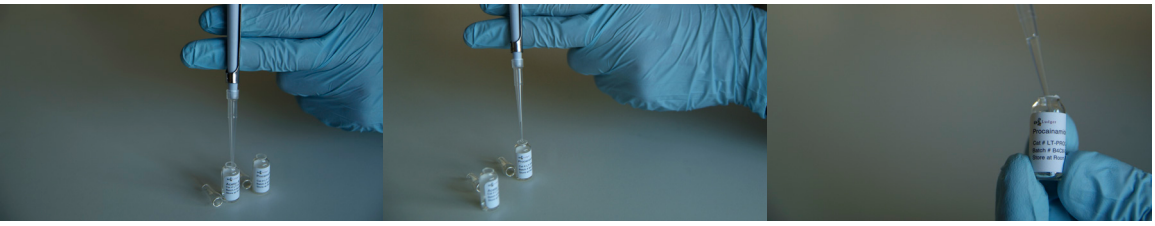
Ludger

LudgerTagTM PROC (procainamide) Glycan Labeling Kit containing 2-picoline borane

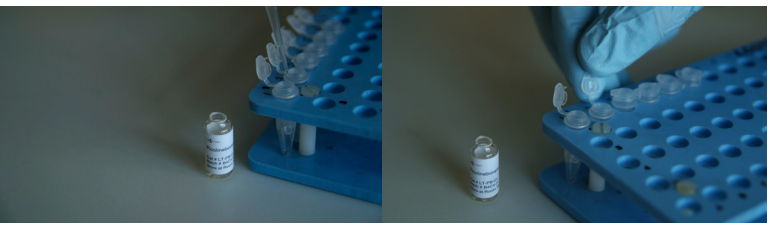
Each kit contains two sets of three vials (LT-ACETIC-DMSO-01, LT-PROC-01, LT-PB-01)

To begin, assemble sample tubes (glycan samples can be dried down) and re-dissolve in 10µL of water. Open the vials labelled LT-ACETIC-DMSO-01 and LT-PROC-01.

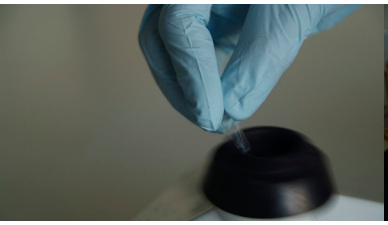
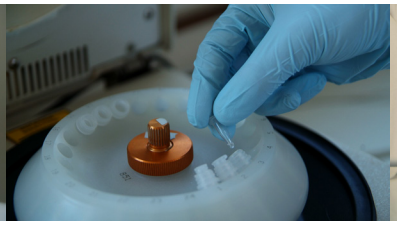


Take 150µL from the vial of acetic acid and add it to the vial of procainamide dye, mixing the solution by pipette action until the dye is dissolved

Open the final vial labelled LT-PB-01. Transfer the 150µL of dissolved dye solution to the vial of reductant. Mix by pipette action until the reductant is dissolved. **This is your labeling reagent**

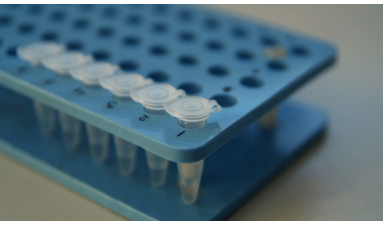


Next, add 10µL of labeling reagent to each glycan sample, and cap each microtube

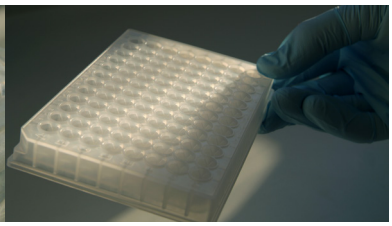

Mix the samples thoroughly, and gently tap to ensure labeling solution is at bottom of vial.
Place the reaction vials in a heating block, sand tray, or dry oven set at 65°C and incubate for 1 hour

Optional: To ensure samples are completely dissolved they can be vortexed 30 mins after the start of the incubation, then the incubation continued



After incubation, centrifuge the microtubes briefly and allow them to cool completely to room temperature

Protocol is complete.

Optional: Post-labeling sample clean-up using LudgerClean™ S cartridges (LC-S-A6) or a 96 well plate method (LC-PROC-96)