

100XIS Manufacturing - Run Form

PREP

- Wipe down all work surfaces, tube racks, and other items used with 10% bleach solution followed by ethanol (as needed)
- Label 5mL screw cap vials with 100XIS labels
- Safety Procedures:
 - Work in fume hood
 - Lab coat, gloves, face mask, and face shield/goggles

MAKE 100XIS

- Weigh 75.0 g of TCEP**
- Add TCEP to cleaned and sanitized 1L glass bottle
- Add 667.5 mL of NF water to the glass bottle**
- Cap and swirl bottle to dissolve 75 g of TCEP (do not shake)**
- Add 209.4 mL EDTA**
- Add 120 mL NaOH solution**
- Cap and swirl to mix**
 - Wrap cap with parafilm
- Aliquot 5 mL into labeled 5mL screw cap vials**
 - Prime the pump ~2-3 times into a waste container until it dispenses smoothly
 - Keep the 5mL tube under the dispenser nozzle when withdrawing the plunger to catch drips
- Place 100XIS vials into the -20C freezer**



100XIS Manuf SOP Form Link

Location:

Name:

Date and Time:

Material

5mL screw cap vials (200) LOT#:
(Eppendorf)

TCEP 25 g bottle (3) LOT#
(GoldBio TCEP25) EXP:

Nuclease-free Water LOT#:
(Thermo 10977015) EXP:

0.5M EDTA LOT#
(Thermo 15575020) EXP:

10N NaOH LOT#
(Sigma SX0607N) EXP:

Equipment

- 1 L glass bottle with cap
- Scale
- Graduated cylinder or 50mL volumetric pipet
- Bottle top dispenser for 500mL bottle

Notes