

**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**