

Drugs to make prior to run: night before or morning of

1. Zosyn

- a. Take two 2.5g vials from the drug drawer. Open each drug vial and dump as much as you can into one specimen cup. Fill up a syringe with 40cc of saline and pour into specimen cup (pour some into vials initially and shake, then pour into specimen cup to make sure you have all the powder).
- b. Mix well in a specimen cup. Fill a 10cc syringe with the solution. Label this "Zosyn prime" with a piece of tape and place aside (blue female cap to prevent spill).
- c. Add 60cc of saline to the remaining solution in the specimen cup. Mix well and fill a 50cc syringe. Label "Zosyn" with tape and put it in the fridge. Put lid on specimen cup and label "Extra 30cc Zosyn."
- d. **Need to make new zosyn every 20 hours or sooner.**

2. Amphotericin

- a. Pull out the ampho vial from the 4C fridge - it will be a powder/cake. Inject 10cc *sterile water* into the vial and invert to reconstitute.
- b. Label the vial with the current date (can stay in the fridge for a few weeks).
- c. Fill a 10cc syringe with 9cc of saline.
- d. Get a female-female connector piece from the liver shelves.
- e. Fill 1cc syringe with amphotericin from the vial, connect to 10cc syringe with the F-F connector, add 1cc amphotericin to 9cc saline for final 10cc volume.
- f. Label "Ampho prime" with tape and cover with tinfoil.
- g. **For redosing: 1cc from ampho vial every 12 hours. Dilute in saline like above or just take 1cc. Add to reservoir and record in data sheet.**

3. Lovenox

- a. Take enoxaparin vial from the drug drawer (or one of the partially full ones from the 4C fridge).
- b. Fill a 50cc syringe with 49cc of saline. Get a female-female connector from the liver shelf.
- c. Draw up 1cc of enoxaparin from a vial in a 1cc syringe. Connect the 1cc syringe to the 50cc syringe and push 1cc into the 50cc syringe.
- d. Label "Lovenox: 5cc/L per 12 hours" and cap. Put in fridge.
- e. **For redosing: 5cc/L from syringe in the fridge, every 12 hours. Add to reservoir and record in data sheet.**

4. Solumedrol

- a. Take 1g solumedrol vial from the drug drawer. Add 20cc *sterile water* to the vial and invert to reconstitute.
- b. **If running a whole liver:** Take 10cc of the solution into a 10cc syringe. Label "Solumedrol 500g prime."
- c. **If running a segment:** Fill 50cc syringe with 40cc saline. Add 10cc of the solution and label "Solumed". Put on syringe pumps before run.
- d. Fill 50cc syringe with 40cc saline. Add remaining 10cc of the solution and label "Solumed". Put on syringe pumps before run.
- e. **Need to make a new 50cc solumedrol every 12 hours or sooner.**

5. TPN/Bile Salts

- a. Get a specimen cup. Get the TA (brown container), spatula, and scale from the drug drawer.
- b. Tare the scale with the specimen cup on top. Add 1.7g of TA to the specimen cup.
- c. Take the TPN out of the 4C fridge (should be in a large erlenmeyer flask covered in aluminum foil). Add in 50cc of TPN to the specimen cup and invert to dissolve.
- d. Once the solution has fully dissolved, add to 50cc syringe. Label "TPN/Bile" and cover with aluminum foil. Put on syringe pump before run.
- e. **Need to make new TPN/Bile Salts every 10 hours or sooner.**

6. Epoprostenol

- a. Pull out epoprostenol from drug drawer.
- b. Inject 10cc saline into vial and invert to reconstitute.
- c. Add 40cc of saline to 50cc syringe. Fill to 50cc with 10cc of solution from vial.
- d. Label "Epo" and cap. Cover in aluminium foil. Put on syringe pump before run.
- e. **Need to make new Epo every 80 hours or sooner.**

To Make During Run If Needed:

7. Insulin

- a. Pull out insulin vial from the 4C fridge.
- b. Fill 50cc syringe with 49 cc saline. Get female-female connector from liver shelves.
- c. Pull up 1cc of insulin in 1cc syringe and add to 49cc syringe through F-F connector.
- d. Label "Insulin" with tape. Store in fridge unless bolusing or infusing.
- e. **No need to make before run (expensive and don't want to waste)**

8. Phenylephrine

- a. Pull out phenylephrine vial (stored as solution) from drug drawer.
- b. Fill 50cc syringe with 45cc of saline.
- c. Add 5cc of phenylephrine vial to the 50cc syringe for final volume of 50cc.
- d. Label "Phenyl" with tape. Store in fridge unless bolusing or infusing.
- e. **No need to make before run (expensive and don't want to waste)**

9. Glucagon

- a. Pull out glucagon box from drug drawer.
- b. Take 1cc of sterile water from vial and put into second vial to reconstitute glucagon.
- c. Fill 10cc syringe with 9cc sterile water. Draw up 1cc from reconstituted vial into 10cc syringe for final volume of 10cc.
- d. Label "Glucagon" with tape. Store in fridge unless bolusing or infusing.
- e. **No need to make before run (expensive and don't want to waste)**