

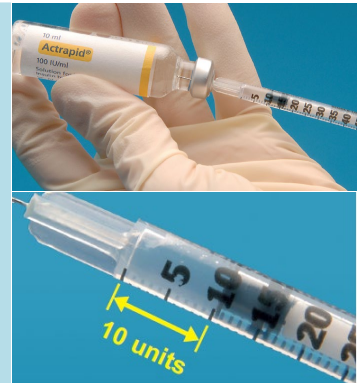
How to make up **10 units** of Actrapid[®] (soluble) insulin in 50ml glucose 50% vial using the hyperkalaemia kit

Protect the cardiac membrane: give 10ml of calcium gluconate 10% IV over 5 mins

1. With the nurse in charge, obtain an Actrapid[®] vial from the pharmaceutical fridge.
2. Take the glucose 50% glass vial from the kit. Remove its protective cap.



3. Measure **10 units** of insulin using an insulin syringe from the kit:
 - a. Draw the plunger back to the **10 unit** mark on the insulin syringe. Check the **10 units** of insulin obtained with the senior nurse on duty.
 - b. Note **10 units** of insulin is contained in 0.1ml.
 - c. Record administration of this and other medicines used to treat hyperkalaemia on the Kardex. Ensure both signatures for double check are documented on the Kardex.



4. Inject the **10 units** of insulin into the glucose 50% glass vial.
5. Mix.



6. Take Chemoprotect[®] Spike from kit and remove protective sheath.



7. Pierce the glucose 50% glass vial with the Chemoprotect[®] Spike.



8. Screw the 50ml syringe onto Chemoprotect[®] Spike and draw up the contents of the vial.
9. Remove syringe from Chemoprotect[®] Spike and expel air from 50ml syringe.
10. Administer into a large vein by slow IV injection over 5 mins.



Monitor blood glucose at 0 min, 15 min, 30 min, 60 min, 90 min, 2 hr, 3 hr, 4 hr, 6 hr, 8 hr & 12 hr as delayed hypoglycaemia is possible.

Document the blood glucose using the monitoring chart provided in the hyperkalaemia kit