How to prepare Amikacin injection

Information

Diluent for reconstitution:	Already in solution (can be diluted, see below)
Volumes for reconstitution:	Already in solution
Administration:	Should be administered over 3 - 5 minutes
Storage requirements:	Protect unopened vials from light and heat and store below 25^0C Part-used vials should be discarded

Volumes to use

Dose of amikacin	Volume required (250mg/ml)
375mg	1.5ml
400mg	1.6ml
450mg	1.8ml
500mg	2ml
550mg	2.2ml
600mg	2.4ml
650mg	2.6ml

Equipment

Amikacin vial(s) (see chart above for amount required)
1 x 10ml syringe
Green needles
Venting needle (optional)
Sterile alcohol wipes

Procedure

1. Check drug, dose and expiry date
2. Wash hands thoroughly
3. Ensure preparation area is clean
4. Examine amikacin vials for any particles (if any particles are found, discard the vial)
5. Swab top of amikacin vial with an alcohol wipe and allow one minute to dry
6. Using 10ml syringe and green needle withdraw correct amount required (see volumes on chart above)
7. Tap syringe gently to allow any air bubbles to travel to the top of the syringe
8. Remove any air bubbles in the syringe
9. Label syringe

Give amikacin injection slowly over about 5 minutes. If injected too quickly, you may feel very dizzy. Ensure you are sitting down when giving amikacin injection.

Dose may be diluted in 10-20ml glucose 5% or sodium chloride 0.9% before injection. This may help make it easier to give slowly or if injection is painful.

Levels must be checked after third dose (trough: immediately pre-dose and peak: one hour after dose).

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