

Adenosine

FORM Vial containing 6mg in 2ml

INDICATION Antiarrhythmic used for the diagnosis and termination of tachycardia

DOSE RANGE

AGE	DOSE	FREQUENCY	ROUTE
<1 month	150micrograms/kg initially, If necessary repeat injection every 1-2minutes increasing dose by 50-100micrograms/kg until tachycardia is terminated or maximum single dose of 300microgram/kg given		Rapid IV bolus into central or large peripheral vein over less than 2 seconds
1 – 6 month	150micrograms/kg initially, If necessary repeat injection every 1-2minutes increasing dose by 50-100micrograms/kg until tachycardia is terminated or maximum single dose of 500microgram/kg given		Rapid IV bolus into central or large peripheral vein over less than 2 seconds

RECONSTITUTION Already in solution

DILUTION

Adenosine injection 6mg/2ml	1 ml
Sodium Chloride 0.9%	Up to 6ml total

Gives a 500 microgram in 1ml solution. Use the required volume.

METHOD OF ADMINISTRATION Rapid IV bolus into central or large peripheral vein over less than 2 seconds followed by rapid sodium chloride 0.9% flush.

COMPATIBILITY

Solution compatibility	Sodium Chloride 0.9%
Solution incompatibility	
IV Line compatibility	
IV Line incompatibility	

THIS LIST IS NOT EXHAUSTIVE PLEASE CONTACT PHARMACY FOR FURTHER INFORMATION ON COMPATIBILITY WITH ANY MEDICINES NOT INCLUDED

CAUTIONS, CONTRA-INDICATIONS AND SIDE EFFECTS

- See Summary of Product Characteristics and most recent edition of BNF for Children (links below)

FURTHER INFORMATION Injection should be given centrally if possible as injection may be painful and is rapidly metabolised in peripheral circulation
Caffeine, aminophylline, theophylline and diazepam may antagonise the effect of adenosine.

LICENSED STATUS Unlicensed.

LINKS [BNF for Children](#) / [Electronic Medicines Compendium](#)

APPLICABLE POLICIES [West of Scotland Neonatal Guidelines](#):

Consult local policy if applicable

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West of Scotland NEONATAL PARENTERAL Drug Monographs

Administer reconstituted solutions immediately.

All vials, ampoules and infusion bags are for single use only unless otherwise stated.

Dose may vary depending on indication, age, renal function, hepatic function, and concomitant medications.

This monograph should be used in conjunction with the package insert, BNF for Children, and Summary of Product Characteristics. For further advice contact your clinical pharmacist or pharmacy department.