

Piperacillin with Tazobactam

Neonatal

FORM

Vials containing: 2.25g (piperacillin 2g and tazobactam 250mg) or 4.5g (piperacillin 4g and tazobactam 500mg) powder for reconstitution

INDICATION

Treatment of infection where guidelines or sensitivities indicate

DOSE RANGE

AGE	DOSE	FREQUENCY	ROUTE
Birth – 1month	90mg/kg*	Every 8 hours	IV
> 1 month	90mg/kg*	Every 6- 8 hours	IV

- *Doses stated are the combined drug content. Each 90mg is equivalent to Piperacillin 80mg and Tazobactam 10mg.

RECONSTITUTION

2.25g vial: add 13.4ml of either water for injection or sodium chloride 0.9% to give a final concentration of 150mg/ml

4.5g vial: add 26.8ml of either water for injection or sodium chloride 0.9% to give a final concentration of 150mg/ml

Dose guide:
90mg = 0.6ml

FURTHER DILUTION for ELBW infants:

Piperacillin/tazobactam 150mg/ml	3ml
Compatible infusion fluid	Up to 5ml total

Gives a 90mg in 1ml solution. Use the required volume.

METHOD OF ADMINISTRATION

Slow IV injection over 3-5minutes

COMPATIBILITY

Solution compatibility	sodium chloride 0.45%, sodium chloride 0.9%, glucose 5%, glucose 10%, Water for Injection
Solution incompatibility	Consult product literature
Additive compatibility	Amiodarone, fluconazole, linezolid, metronidazole,
Additive incompatibility	Aciclovir, amikacin, amphotericin, ciprofloxacin, dobutamine, gentamicin, tobramycin, vancomycin

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)

West of Scotland NEONATAL Parenteral Drug Monographs

FURTHER INFORMATION	Reduce dose in renal impairment Avoid mixing in the giving set with aminoglycosides - flush line between doses or administer at separate sites. May prolong neuromuscular blockade of vecuronium and other non-depolarising muscle relaxants
SODIUM CONTENT	4.7mmol/2.25g
PH	5.0 – 7.0
LICENSED STATUS	Not licensed for use in children < 2 years
LINKS	BNF for Children / Electronic Medicines Compendium
APPLICABLE POLICIES	West of Scotland Neonatal Guidelines :

Consult local policy if applicable

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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.