

AMOXICILLIN SODIUM WITH POTASSIUM CLAVULANATE

BRAND NAME	AMOXICLAV JUNO, CURAM
DRUG CLASS	Penicillin antibiotic with beta-lactamase inhibitor
AVAILABILITY	Vial contains 600 mg as 500 mg of amoxicillin and 100 mg of clavulanic acid or 1.2 g as 1000 mg of amoxicillin and 200 mg of clavulanic acid or 2.2 g as 2000 mg of amoxicillin and 200 mg of clavulanic acid. ¹⁻³ The 600 mg vial contains 1.4 mmol of sodium and 0.5 mmol of potassium. ¹ The 1.2 g vial contains 2.7 mmol of sodium and 1 mmol of potassium. ¹ The 2.2 g vial contains 5.5 mmol of sodium and 1 mmol of potassium. ¹ If the 2.2 g vial is not available, use the 1.2 g vial plus 1 g of amoxicillin.
WARNING	Contraindicated in patients with severe or non-severe immediate (IgE mediated) or delayed (T-cell mediated) hypersensitivity to penicillins
pH	No information
PREPARATION	Reconstitute the 600 mg vial with 10 mL of water for injections and the 1.2 g or 2.2 g vial with 20 mL of water for injections. The solution is clear and colourless to pale yellow, or a transient pink. ¹ Powder volume: 600 mg – 0.5 mL, 1.2 g and 2.2 g – 0.9 mL ¹
STABILITY	Vial: store below 25 °C. Protect from light. ¹ Reconstituted solution: stable for 20 minutes at 25 °C. ¹ Diluted solution: solutions in sodium chloride 0.9% are stable for 4 hours and in Hartmann's and Ringer's for 3 hours at 25 °C. Solutions made with a pre-refrigerated bag of sodium chloride 0.9% are stable for 8 hours at 2 to 8 °C. ¹
ADMINISTRATION	
IM injection	Not recommended ¹
SUBCUT injection	Not recommended
IV injection	Inject the reconstituted solution over 3 to 4 minutes. ¹
IV infusion	Dilute the 600 mg dose in 50 mL, or larger doses in 100 mL of a compatible fluid and infuse over 30 to 40 minutes. ¹
IV use for infants and children	Dilute the dose to 10 mg/mL or weaker and infuse over 30-40 minutes. ^{1,2} For children over 3 months old, the dose may injected over 3 to 4 minutes. ^{1,2}
COMPATIBILITY	
Fluids	Hartmann's ¹ , Ringer's ¹ , sodium chloride 0.9% ¹ , glucose 5% via Y-site ¹
Y-site	No information
INCOMPATIBILITY	
Fluids	Amino acid solutions ¹ , fat emulsion ¹ , glucose 5% ³
Drugs	Aminoglycosides: amikacin, gentamicin, tobramycin ³ , amiodarone ³ , ciprofloxacin ³ , metronidazole ³ , sodium bicarbonate ¹
SPECIAL NOTES	Doses are expressed as the total of amoxicillin and clavulanic acid content i.e. a 600 mg dose contains 500 mg of amoxicillin and 100 mg of clavulanic acid and a 1.2 g dose contains 1 g of amoxicillin and 200 mg of clavulanic acid.

REFERENCES

1. Product information. Available from www.tga.gov.au. Accessed 13/10/2022.
2. Paediatric Formulary Committee. BNF for children. Basingstoke, UK: Pharmaceutical Press; 2018-2019.
3. McEvoy GK editor. Handbook on injectable drugs. 20th ed. Bethesda, MD: American Society of Health-System Pharmacists; 2018.