

South Australian Neonatal Medication Guidelines

# amoxycillin with clavulanic acid

amoxycillin 80 mg, clavulanic acid 11.4 mg/mL mixture

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## Synonyms

Co-amoxiclav, amoxicillin with clavulanic acid

## Dose and Indications

### Infection due to susceptible organisms

#### Oral

Dose according to amoxycillin content

Duo® product, 12.5–22.5 mg/kg every 12 hours

Length of treatment should be guided by pathology and clinical picture; however in proven sepsis treatment should continue for a minimum of 7 days.

## Preparation and Administration

#### Oral

There are brands available refer to product information for reconstitution volume.

The reconstituted solution is usually stable for 7 days stored under refrigeration; however this may change according to brand available. Please consult product information.

Amoxycillin with clavulanic acid is best given with feeds to minimise gastrointestinal irritation.

## Adverse Effects

### Common

Diarrhoea, secondary infection especially during prolonged treatment, transient increases in liver enzymes and bilirubin

### Infrequent

Vomiting, *Clostridium difficile*-associated disease

### Rare

Rash, black tongue, neurotoxicity, bleeding, blood dyscrasias, rash, cholestatic hepatitis  
Anaphylactic shock is not commonly seen in the neonates.

## Monitoring

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South Australian Maternal & Neonatal Clinical Network  
South Australian Neonatal Medication Guidelines Workgroup at:  
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> Hepatic function if treatment lasts for >14 days.

#### Practice Points

- > Amoxycillin with clavulanic acid provides some anaerobic cover
- > The 125-31.25 mg/5 mL non-Duo® mixture is for 8 hourly dosing (7.5-15 mg/kg/dose) while the 400mg-57mg/5mL Duo® preparations are for 12 hourly dosing. Dosing guidelines for this monograph are for the Duo® preparation, however either product can be used.

#### Version control and change history

**PDS reference:** OCE use only

Version	Date from	Date to	Amendment
1.0	November 2012	current	Original version