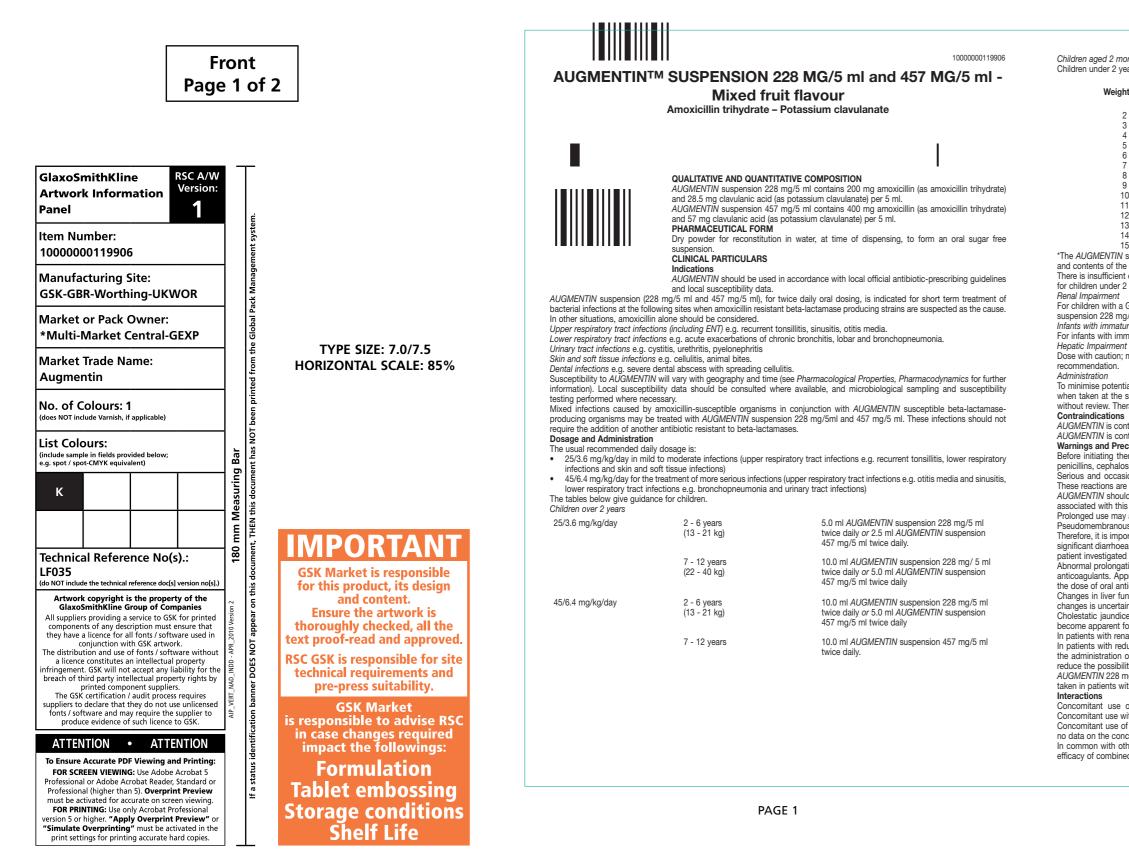
PHARMA CODE N° 5187



Children aged 2 months to 2 years

nder 2 years should be dos	sed according to body weight. AUGMENTIN suspension 457 mg/5 r	ml
Weight (kg)	25/3.6 mg/kg/day (ml / twice daily *)	45/6.4 mg/kg/day (ml / twice daily *)
2	0.3	0.6
3	0.5	0.8
4	0.6	1.1
5	0.8	1.4
6	0.9	1.7
7	1.1	2.0
8	1.3	2.3
9	1.4	2.5
10	1.6	2.8
11	1.7	3.1
12	1.9	3.4
13	2.0	3.7
14	2.2	3.9
15	2.3	4.2

*The AUGMENTIN suspension 457 mg/5 ml 35 ml and 70 ml presentations may be supplied with a dosing device - See Nature and contents of the container.

There is insufficient experience with AUGMENTIN suspension 228 mg/5 ml and 457 mg/5 ml to make dosage recommendations for children under 2 months old. Renal Impairment

For children with a GFR of >30 ml/min no adjustment in dosage is required. For children with a GFR of <30 ml/min AUGMENTIN suspension 228 mg/5 ml and 457 mg/5 ml are not recommended

Infants with immature kidney function

For infants with immature renal function AUGMENTIN suspension 228 mg/5 ml and 457 mg/5 ml are not recommended. Hepatic Impairment

Dose with caution: monitor hepatic function at regular intervals. There is, as yet, insufficient evidence on which to base a dosage recommendation.

To minimise potential gastrointestinal intolerance, administer at the start of a meal. The absorption of AUGMENTIN is optimised when taken at the start of a meal. Duration of therapy should be appropriate to the indication and should not exceed 14 days without review. Therapy can be started parenterally and continued with an oral preparation.

AUGMENTIN is contra-indicated in patients with a history of hypersensitivity to beta-lactams, e.g. penicillins and cephalosporins. AUGMENTIN is contra-indicated in patients with a previous history of AUGMENTIN-associated jaundice/hepatic dysfunction. Warnings and Precautions

Before initiating therapy with AUGMENTIN, careful enquiry should be made concerning previous hypersensitivity reactions to

penicillins, cephalosporins or other allergens. Serious and occasionally fatal hypersensitivity (anaphylactoid) reactions have been reported in patients on penicillin therapy. These reactions are more likely to occur in individuals with a history of penicillin hypersensitivity (see Contraindications). AUGMENTIN should be avoided if infectious mononucleosis is suspected since the occurrence of a morbilliform rash has been

associated with this condition following the use of amoxicillin. Prolonged use may also occasionally result in overgrowth of non-susceptible organisms.

Pseudomembranous colitis has been reported with the use of antibiotics and may range in severity from mild to life-threatening. Therefore, it is important to consider its diagnosis in patients who develop diarrhoea during or after antibiotic use. If prolonged or significant diarrhoea occurs or the patient experiences abdominal cramps, treatment should be discontinued immediately and the patient investigated further

Abnormal prolongation of prothrombin time (increased INR) has been reported rarely in patients receiving AUGMENTIN and oral anticoagulants. Appropriate monitoring should be undertaken when anticoagulants are prescribed concurrently. Adjustments in the dose of oral anticoagulants may be necessary to maintain the desired level of anticoagulatio

Changes in liver function tests have been observed in some patients receiving AUGMENTIN. The clinical significance of these changes is uncertain but AUGMENTIN should be used with caution in patients with evidence of hepatic dysfunction.

Cholestatic jaundice, which may be severe, but is usually reversible, has been reported rarely. Signs and symptoms may not become apparent for up to six weeks after treatment has ceased.

In patients with renal impairment AUGMENTIN suspension 228 mg/5 ml and 457 mg/5 ml are not recommended.

In patients with reduced urine output, crystalluria has been observed very rarely, predominantly with parenteral therapy. During the administration of high doses of amoxicillin, it is advisable to maintain adequate fluid intake and urinary output in order to reduce the possibility of amoxicillin crystalluria (see Overdose).

AUGMENTIN 228 mg/5 ml and 457 mg/5ml suspensions contain 12.5 mg aspartame per 5 ml dose and therefore care should be taken in patients with phenvlketonuria.

Concomitant use of probenecid is not recommended. Probenecid decreases the renal tubular secretion of amoxicillin. Concomitant use with AUGMENTIN may result in increased and prolonged blood levels of amoxicillin but not of clavulanate. Concomitant use of allopurinol during treatment with amoxicillin can increase the likelihood of allergic skin reactions. There are

no data on the concomitant use of AUGMENTIN and allopurinol. In common with other antibiotics, AUGMENTIN may affect the gut flora, leading to lower oestrogen reabsorption and reduced

efficacy of combined oral contraceptives.

In the literature there are rare cases of increased international normalised ratio in patients maintained on acenocoumarol or warfarin and prescribed a course of amoxicillin. If co-administration is necessary, the prothrombin time or international normalised ratio should be carefully monitored with the addition or withdrawal of AUGMENTIN.

In patients receiving mycophenolate mofetil, reduction in pre-dose concentration of the active metabolite mycophenolic acid of approximately 50% has been reported following commencement of oral amoxicillin plus clavulanic acid. The change in pre-dose level may not accurately represent changes in overall MPA exposure.

Pregnancy and Lactation

Reproduction studies in animals (mice and rats) with orally and parenterally administered AUGMENTIN have shown no teratogenic effects. In a single study in women with pre-term, premature rupture of the foetal membrane (pPROM), it was reported that prophylactic treatment with AUGMENTIN may be associated with an increased risk of necrotising enterocolitis in neonates. As with all medicines, use should be avoided in pregnancy, especially during the first trimester, unless considered essential by the

AUGMENTIN may be administered during the period of lactation. With the exception of the risk of sensitisation, associated with the excretion of trace quantities in breast milk, there are no detrimental effects for the infant.

Effects on Ability to Drive and Use Machines

Adverse effects on the ability to drive or operate machinery have not been observed.

Adverse Reactions

Data from large clinical trials were used to determine the frequency of very common to rare undesirable effects. The frequencies assigned to all other undesirable effects (i.e., those occurring at <1/10,000) were mainly determined using post-marketing data and refer to a reporting rate rather than a true frequency.

The following convention has been used for the classification of frequency:

very common >1/10

common >1/100 and <1/10 uncommon >1/1000 and <1/100

rare >1/10,000 and <1/1000

very rare <1/10,000.

Infections and infestations

Mucocutaneous candidiasis Common

Blood and lymphatic system disorders

Reversible leucopenia (including neutropenia) and thrombocytopenia Rare

Reversible agranulocytosis and haemolytic anaemia. Prolongation of bleeding time and prothrombin time Verv rare mmune system disorders

Angioneurotic oedema, anaphylaxis, serum sickness-like syndrome, hypersensitivity vasculitis Verv rare

Nervous system disorders

Dizziness, headache Uncommon

Very rare Reversible hyperactivity and convulsions. Convulsions may occur in patients with impaired renal function or in those receiving high doses.

Gastrointestinal disorders

Adults: Verv common Diarrhoea

Nausea, vomiting Common

Children:

Common Diarrhoea, nausea, vomiting

All populations

Very rare

Nausea is more often associated with higher oral dosages. If gastrointestinal reactions are evident, they may be reduced by taking AUGMENTIN at the start of a meal.

Uncommon Indigestion

Antibiotic-associated colitis (including pseudomembranous colitis and haemorrhagic colitis - see Warnings and Precautions).

Black hairy tongue Superficial tooth discolouration has been reported very rarely in children. Good oral hygiene may help to prevent tooth discolouration as it can usually be removed by brushing.

Hepatobiliary disorders

A moderate rise in AST and/or ALT has been noted in patients treated with beta-lactam class antibiotics, but Uncommon the significance of these findings is unknown. Hepatitis and cholestatic jaundice. These events have been noted with other penicillins and cephalosporins.

Verv Rare Hepatic events have been reported predominantly in males and elderly patients and may be associated with prolonged treatment. These events have been very rarely reported in children.

Signs and symptoms usually occur during or shortly after treatment but in some cases may not become apparent until several weeks after treatment has ceased. These are usually reversible. Hepatic events may be severe and in extremely rare circumstances, deaths have been reported. These have almost always occurred in patients with serious underlying disease or taking concomitant medications known to have the potential for hepatic effects.

Skin and subcutaneous tissue disorders

Skin rash, pruritus, urticaria Uncommon

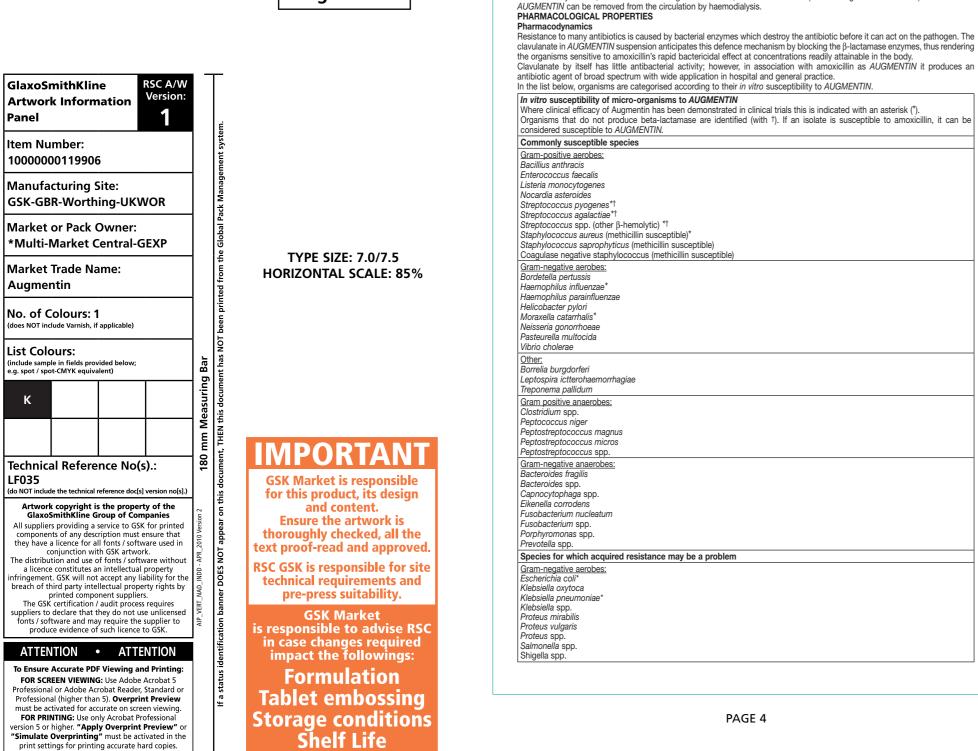
Ervthema multiforme Rare

Stevens-Johnson syndrome, toxic epidermal necrolysis, bullous exfoliative-dermatitis, acute generalised Very rare exanthemous pustulosis (AGEP) If any hypersensitivity dermatitis reaction occurs, treatment should be discontinued

Renal and urinary disorders

Interstitial nephritis, crystalluria (see Overdose) Very rare

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Overdose

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Enterobac Hafnia alve Legionella p Morganella Providenci Pseudomo Serratia sp Stenotroph

Gastrointestinal symptoms and disturbance of the fluid and electrolyte balances may be evident. Gastrointestinal symptoms may

Amoxicillin crystalluria, in some cases leading to renal failure, has been observed (see Warnings and Precautions).

be treated symptomatically with attention to the water electrolyte balance.

Yersinia en Others: Chlamvdia pnei Chlamvdia Chlamvdia Coxiella bu Mycoplasm Infections ca Pharmacokinetics Absorption:

Gram-positive aerobes: Corvnebacterium spp

Enterococcus faecium Streptococcus pneumoniae*† Viridans group streptococcus
Inherently resistant organisms
Gram-negative aerobes: Acinetobacter spp. Citrobacter freundii Enterobacter spp. Hafnia alvei Legionella pneumophila Morganella morganii Providencia spp. Pseudomonas spp. Serratia spp. Stenotrophomas maltophilia Yersinia enterolitica
Others:

preumoniae	L
psittaci	l
spp.	l
imetti	l
na spp.	J
aused by amoxicillin-susceptible organisms are amenable to AUGMENTIN treatment due to its amoxicillin content	

Mixed infections caused by amoxicillin -susceptible organisms in conjunction with AUGMENTIN-susceptible β-lactamase producing organisms may therefore be treated with AUGMENTIN.

The two components of AUGMENTIN suspension 228 mg/5 ml and 457 mg/5 ml, amoxicillin and clavulanate, are each fully dissociated in aqueous solution at physiological pH. Both components are rapidly and well absorbed by the oral route of administration. Absorption of AUGMENTIN is optimised when taken at the start of a meal.

The mean AUC values for amoxicillin are essentially the same following twice a day dosing with the AUGMENTIN 875/125 mg tablet or three times a day dosing with the AUGMENTIN 500/125 mg tablet, in adults. No differences between the 875 mg twice daily and 500 mg three times daily dosing regimes are seen when comparing the amoxicillin T1/2, or Cmax after normalisation for the different doses of amoxicillin administered. Similarly, no differences are seen for the clavulanate T1/2, Cmax or AUC values after appropriate dose normalisation. The time of dosing of AUGMENTIN relative to the start of a meal has no marked effects on the pharmacokinetics of amoxicillin in

adults. In a study of the AUGMENTIN 875/125 mg tablet, the time of dosing relative to ingestion of a meal had a marked effect on the pharmacokinetics of clavulanate. For clavulanate AUC and C_{max}, the highest mean values and smallest inter-subject variabilities were achieved by administering AUGMENTIN at the start of a meal, compared to the fasting state or 30 or 150 minutes after the start of a meal.

The mean Cmax, Tmax, T1/2 and AUC values for amoxicillin and clavulanate are given below for an 875 mg/125 mg dose of amoxicillin /clavulanic acid administered at the start of a meal.

Drug Administration	Dose (mg)	C _{max} (mg/L)	T _{max} * (hours)	AUC (mg.h/L)	T _{1/2} (hours)
AUGMENTIN 1g					
Amoxicillin	875 mg	12.4	1.5	29.9	1.36
Clavulanate	125 mg	3.3	1.3	6.88	0.92

Amoxicillin serum concentrations achieved with AUGMENTIN are similar to those produced by the oral administration of equivalent doses of amoxicillin alone

Distribution: The pharmacokinetics of the two components of AUGMENTIN are closely matched. Both clavulanate and amoxicillin have low

levels of serum binding; about 70% remains free in the serum. Doubling the dosage of AUGMENTIN approximately doubles the serum levels achieved.

Pre-clinical Safety Data

No further information of relevance

PHARMACEUTICAL PARTICULARS List of Excipients

Xanthan gum, hydroxypropylmethylcellulose, colloidal silica, succinic acid, silicon dioxide, raspberry, orange "1", orange "2", golden syrup dry flavours, aspartame.

Incompatibilities None known.

Shelf Life

The expiry date is indicated on the packaging. Special Precautions for Storage

The dry powder should be stored in unopened containers in a dry place at below 25°C. Reconstituted suspensions should be stored in a refrigerator (2-8°C) and used within seven days

Nature and Contents of Container

Clear, glass bottles with aluminium screw caps, containing an off-white dry powder. The AUGMENTIN suspension 457 mg/5 ml 35 ml and 70 ml presentations may be supplied with a dosing device

Single-dose sachets (AUGMENTIN suspension 457 mg/5 ml only).

When reconstituted, an off-white suspension is formed Instructions for Use/Handling

GLASS BOTTLES:

At time of dispensing, the dry powder should be reconstituted to form an oral suspension, as detailed below:

Check cap seal is intact before use.

Invert and shake bottle to loosen powder.

Add volume of water (indicated below). Invert and shake well

Alternatively, fill the bottle with water to just below the mark on bottle label.

Invert and shake well, then top up with water to the mark. Invert and shake again.

Allow to stand for 5 minutes to ensure full dispersion

Shake well before taking each dose.

AUGMENTIN suspension 228 mg/5 ml

Fill Weight	Volume of water to be added to reconstitute	Final volume of reconstituted oral suspension
7.7 g	64 ml	70 ml
15.4 g	128 ml	140 ml

AUGMENTIN suspension 457 mg/5 ml

Fill Weight	Volume of water to be added to reconstitute	Final volume of reconstituted oral suspension
6.3 g	31 ml	35 ml
12.6 g	62 ml	70 ml
25.2 g	124 ml	140 ml

The AUGMENTIN suspension 457 mg/5 ml 35 ml and 70 ml presentation may be provided with a dosing device. SACHETS:

Single-dose sachets contain powder for a 2.5 ml dose of AUGMENTIN suspension 457 mg/5 ml.

Directions for use: Check that the sachet is intact before use

Cut sachet along dotted line. Empty contents into a glass

Half fill sachet with water Pour into a glass, stir to mix

Drink immediately upon reconstitution

If two or four sachets have to be taken at once then they can be mixed in the same glass.

Not all presentations are available in every country.

Manufactured by

SmithKline Beecham Limited*

Worthing, UK *Member of the GlaxoSmithKline group of companies

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