1 NAME OF THE MEDICINE
Meropenem, as meropenem trihydrate

2 QUALITATIVE AND QUANTITATIVE COMPOSITION

Meropenem Kabi powder for intravenous injection or infusion  

<table>
<thead>
<tr>
<th>Active ingredient</th>
<th>500 mg</th>
<th>1 g</th>
</tr>
</thead>
<tbody>
<tr>
<td>Meropenem trihydrate</td>
<td>570 mg</td>
<td>1.14 g</td>
</tr>
<tr>
<td>Equivalent to anhydrous meropenem</td>
<td>500 mg</td>
<td>1 g</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Excipient</th>
<th>104 mg</th>
<th>208 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium carbonate</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3 PHARMACEUTICAL FORM
Meropenem Kabi powder for intravenous injection is presented as a sterile white or light yellow powder containing meropenem trihydrate equivalent to meropenem, 500 mg or 1 g, blended with sodium carbonate. Meropenem Kabi powder for intravenous injection contains 208 mg sodium carbonate for each gram of meropenem (anhydrous potency). It contains no preservative.

4 CLINICAL PARTICULARS

4.1 Therapeutic indications
Meropenem Kabi is indicated for treatment of the following infections, in adults and children (aged 3 months and over), when the causative organisms are known or suspected to be resistant to commonly used antibiotics:

- Community acquired lower respiratory tract infection
- Hospital acquired lower respiratory tract infection
- Complicated urinary tract infection
- Febrile neutropaenia
- Intra-abdominal and gynaecological (poly microbial) infections
- Complicated skin and skin structure infections
- Meningitis
- Septicaemia

4.2 Dose and method of administration

Adults

Usual dose
500 mg to 1 g by intravenous administration every 8 hours depending on type and severity of infection, the known or suspected susceptibility of the pathogen(s) and the condition of the patient.
Exceptions

1. Febrile episodes in neutropaenic patients - the dose should be 1 g every 8 hours.
2. Meningitis - the dose should be 2 g every 8 hours.

As with other antibiotics, caution may be required in using meropenem as monotherapy in critically ill patients with known or suspected *Pseudomonas aeruginosa* lower respiratory tract infection.

Regular sensitivity testing is recommended when treating *Pseudomonas aeruginosa* infection.

Meropenem Kabi should be given as an intravenous bolus injection over approximately 5 minutes or by intravenous infusion over approximately 15 to 30 minutes (see Method of administration section).

**Dosage schedule for adults with impaired renal function**

Dosage should be reduced in patients with creatinine clearance less than 51 mL/min, as scheduled below Table 1.

<table>
<thead>
<tr>
<th>Creatinine Clearance (mL/min)</th>
<th>Dose (based on unit doses of 500mg, 1g, 2g)</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>26 to 50</td>
<td>One unit dose</td>
<td>Every 12 hours</td>
</tr>
<tr>
<td>10 to 25</td>
<td>One-half unit dose</td>
<td>Every 12 hours</td>
</tr>
<tr>
<td>&lt;10</td>
<td>One-half unit dose</td>
<td>Every 24 hours</td>
</tr>
</tbody>
</table>

Meropenem is cleared by haemodialysis. If continued treatment with Meropenem Kabi is necessary, it is recommended that the unit dose (based on the type and severity of infection) is administered at the completion of the haemodialysis procedure to restore therapeutically effective plasma concentrations.

There is no experience with peritoneal dialysis.

**Use in adults with hepatic insufficiency**

No dosage adjustment is necessary in patients with impaired hepatic metabolism.

**Elderly patients**

No dosage adjustment is required for the elderly with normal renal function or creatinine clearance values above 50 mL/min.

**Children**

For infants and children over 3 months and up to 12 years of age the recommended intravenous dose is 10 to 40 mg/kg every 8 hours depending on type and severity of infection, the known or suspected susceptibility of the pathogen(s) and the condition of the patient. In children over 50 kg weight, adult dosage should be used.

**Exceptions**

1. Febrile episodes in neutropaenic patients - the dose should be 20 mg/kg every 8
hours.
2. Meningitis - the dose should be 40 mg/kg every 8 hours.

Meropenem Kabi should be given as an IV bolus over approximately 5 minutes or by intravenous infusion over approximately 15 to 30 minutes.

There is no experience in children with renal impairment.

Method of administration

Meropenem Kabi to be used for bolus intravenous injection should be reconstituted with sterile Water for Injections (10 mL per 500 mg meropenem). This provides an approximate available concentration of 50 mg/mL. Reconstituted solutions are both clear and colourless to pale yellow.

Meropenem Kabi for intravenous infusion may be directly reconstituted with a compatible infusion fluid and then further diluted (50 to 200 mL) with the compatible infusion fluid.

Shake reconstituted solution before use. All vials are for single use in one patient only. Discard any residue. Standard aseptic technique should be employed during reconstitution and administration.

Compatibility

Meropenem Kabi is compatible with the following infusion fluids:

- 0.9% sodium chloride intravenous infusion
- 5% or 10% glucose intravenous infusion
- 5% glucose intravenous infusion with 0.02% sodium bicarbonate
- 0.9% sodium chloride and 5% glucose intravenous infusion
- 5% glucose with 0.225% sodium chloride intravenous infusion
- 5% glucose with 0.15% potassium chloride intravenous infusion
- 2.5% and 10% mannitol intravenous infusion
- normosol-M in 5% glucose intravenous infusion

Stability

Meropenem Kabi should not be mixed with or physically added to solutions containing other drugs.

To reduce microbiological hazard, solutions of meropenem should be used as soon as practicable after reconstitution. If storage is necessary, hold at 2 to 8°C for not more than 24 hours, or the period shown in Table 2, whichever is the lesser.

Solutions of Meropenem Kabi should not be frozen.

Table 2

<table>
<thead>
<tr>
<th>Diluent</th>
<th>Hours stable up to 25°C</th>
<th>4°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vials reconstituted with Water for Injections for bolus injection</td>
<td>8</td>
<td>24</td>
</tr>
</tbody>
</table>

Solutions (1 to 20 mg/mL) prepared with:
0.9% sodium chloride 8 24
5% glucose 3 14
5% glucose and 0.225% sodium chloride 3 14
5% glucose and 0.9% sodium chloride 3 14
5% glucose and 0.15% potassium chloride 3 14
2.5% or 10% mannitol intravenous infusion 3 14
normosol-M in 5% glucose intravenous infusion 3 14
10% glucose 2 8
5% glucose and 0.02% sodium bicarbonate intravenous infusion 2 8

4.3 Contraindications
Meropenem is contraindicated in patients who have demonstrated hypersensitivity to meropenem or other carbopenems, penicillins or other beta-lactam antibiotics.

4.4 Special warnings and precautions for use

Hypersensitivity reaction (allergic/anaphylaxis)
Serious and occasionally fatal hypersensitivity reactions have been reported in patients receiving therapy with β-lactams. These reactions are more likely to occur in persons with a history of sensitivity to multiple allergens. There have been reports of patients with a history of penicillin hypersensitivity who have experienced severe hypersensitivity when treated with another β-lactam. Before initiating treatment with meropenem, careful enquiry should be made concerning previous hypersensitivity reactions to carbopenems, penicillins, or other β-lactam antibiotics. If an allergic reaction occurs to meropenem then discontinue the drug. Serious hypersensitivity reactions may require adrenaline and other emergency measures.

As with other β-lactam antibiotics, strains of *Pseudomonas aeruginosa* may develop resistance on treatment with meropenem. Development of resistance has been reported in pseudomonal hospital acquired lower respiratory tract infections. In such cases, meropenem should be used with caution and repeat sensitivity testing is recommended.

Gastrointestinal disease
*History of colitis:* Antibiotics should be prescribed with care for individuals with a history of gastrointestinal disease, especially ulcerative colitis, regional enteritis, or antibiotic associated colitis.

*Pseudomembranous colitis:* Pseudomembranous colitis has been observed with practically all antibiotics and may vary in severity from slight to life-threatening. Therefore, antibiotics should be prescribed with care for individuals with a history of gastrointestinal complaints, particularly colitis. It is important to consider the diagnosis of pseudomembranous colitis in the case of patients who develop diarrhoea when using an antibiotic. Although studies indicate that a toxin produced by *Clostridium difficile* is one of the main causes of antibiotic-associated colitis, other causes should be considered.

Mild cases usually respond to drug discontinuation alone. However, in moderate to severe cases appropriate therapy such as oral antibacterial agents effective against *Clostridium difficile* should be considered.

Fluids, electrolytes and protein replacement should be provided when indicated. Drugs which delay peristalsis, e.g. opiates and diphenoxylate with atropine (Lomotil®) may prolong and/or worsen the condition and should not be used.
Seizures have infrequently been reported during treatment with carbapenems, including meropenem.

This medicinal product contains sodium which should be taken into consideration for patients on a controlled sodium diet.

**Use in Severe Meningitis**
Neurological sequelae were reported following treatment of severe meningitis with meropenem. In clinical trials these adverse events were reported in 23 of 148 patients treated with meropenem and in 17 of 144 patients treated with comparator antibiotics.

**Use with Valproic Acid/Sodium Valproate**
The concomitant use of valproic acid/sodium valproate and meropenem is not recommended (see section 4.5 INTERACTIONS WITH OTHER MEDICINES AND OTHER FORMS OF REACTIONS).

**Use in the elderly**
No data available

**Paediatric use**
Efficacy and tolerability in infants under 3 months of age have not been established; therefore, meropenem is not recommended for use below this age.

**Effects on laboratory tests**
A positive or indirect Coombs’ test may develop.

**Use in renal impairment**
See section 4.2 DOSE AND METHOD OF ADMINISTRATION.

**Use in hepatic impairment**
Hepatic function should be closely monitored during treatment with meropenem due to the risk of hepatic toxicity (hepatic dysfunction with cholestasis and cytosis). Patients with pre-existing liver disorders should have liver function monitored during treatment with Meropenem for Injection.

**4.5 Interactions with other medicines and other forms of interactions**
Meropenem has been administered concomitantly with many other medications without apparent adverse interaction. However, no specific medicine interaction studies other than with probenecid were conducted.

**Probenecid**
Probenecid competes with meropenem for active tubular secretion and thus inhibits the renal excretion of meropenem with the effect of increasing the elimination half-life and plasma concentration of meropenem. As the potency and duration of action of meropenem dosed without probenecid are adequate the co-administration of probenecid with meropenem is not recommended. The potential effect of meropenem on the protein binding of other drugs or metabolism has not been studied. However, the protein binding is so low (approximately 2%) that no interactions with other compounds would be expected on the basis of this mechanism.

**Valproic acid / sodium valproate**
A clinically significant reduction in serum valproic acid concentration has been reported when it is co-administered with carbapenem agents resulting in a 60 to 100% decrease in valproic acid levels in about two days. Due to the rapid onset and the extent of the decrease,
co-administration of meropenem in patients stabilised on valproic acid/sodium valproate is not considered to be manageable and therefore should be avoided (see section 4.4 SPECIAL WARNINGS AND PRECAUTIONS).

The concomitant use of meropenem and valproic acid/sodium valproate/valpromide is not recommended.

**Oral anticoagulants**
Simultaneous administration of antibiotics with warfarin may augment its anticoagulant effects. There have been many reports of increases in the anticoagulant effects of orally administered anticoagulant agents, including warfarin, in patients who are concomitantly receiving antibacterial agents. The risk may vary with the underlying infection, age and general status of the patient so that the contribution of the antibiotic to the increase in INR (international normalized ratio) is difficult to assess. It is recommended that the INR should be monitored frequently during and shortly after co-administration of antibiotics with an oral anticoagulant agent.

### 4.6 Fertility, pregnancy and lactation

#### Effects on fertility
Fertility was not impaired in rats with exposures (based on AUC) slightly greater than those observed in patients at the recommended intravenous dose.

**Use in pregnancy (Category B2)**
**Australian categorisation definition of Category B2:**

*Drugs which have been taken by only a limited number of pregnant women and women of childbearing age, without an increase in the frequency of malformation or other direct or indirect harmful effects on the human foetus having been observed.*

*Studies in animals are inadequate or may be lacking, but available data show no evidence of an increased occurrence of foetal damage.*

Reproduction studies conducted with meropenem in rats have shown no embryotoxicity or teratogenicity at plasma exposures (based on AUC values) approximately equal to those observed in patients at the recommended intravenous dose. In a teratology study in cynomolgus monkeys given daily intravenous injections meropenem showed no evidence of teratogenicity at dose levels up to 360 mg/kg/day.

There are however, no adequate or well controlled trials of meropenem in pregnant women. Because reproduction studies are not always predictive of human response, meropenem should not be used in pregnancy unless the potential benefit justifies the potential risk to the foetus.

**Use in lactation**
Meropenem is detectable at very low concentrations in animal breast milk. Meropenem should not be used in breast-feeding women unless the potential benefit justifies the potential risk to the baby.

### 4.7 Effects on ability to drive and use machines
No studies on the ability to drive and use machines have been performed. However, when driving or operating machines it should be taken into account that headache, paraesthesiae and convulsions have been reported for meropenem.
4.8 Adverse effects (Undesirable effects)

Meropenem is generally well tolerated.

In clinical trials, adverse events lead to cessation of treatment in less than 1% of patients. Serious adverse events are rare.

**Table 3** - Common events

| Local intravenous injection site reactions | Inflammation, thrombophlebitis, pain. |
| Gastrointestinal disorders                | Nausea, vomiting, diarrhoea, abdominal pain. |
| Blood                                      | Reversible thrombocythaemia. |
| Nervous system disorders                   | Headache |
| Skin & subcutaneous tissue disorders       | Rash, pruritus, drug reaction with eosinophilia and systemic symptoms (DRESS) syndrome. |
| Liver function                             | Reversible increases in serum transaminases (alanine aminotransferase, aspartate aminotransferase), gamma-glutamyltransferase bilirubin, alkaline phosphatase and lactic dehydrogenase alone or in combination have been reported. |

**Table 4** - Adverse reactions reported at a frequency <1%

| Systemic allergic reactions                | Systemic allergic reactions (hypersensitivity) may occur following administration of meropenem. These reactions may include angioedema and manifestations of anaphylaxis. |
| Skin & subcutaneous tissue disorders       | Urticaria (uncommon). Severe skin reactions, such as erythema multiforme, Stevens-Johnson Syndrome and toxic epidermal necrolysis*, have been observed. |
| Gastrointestinal disorders                | Pseudomembranous colitis. |
| Hepatobiliary disorders                   | Jaundice and hepatic failure have been reported but a causal link with meropenem has not been established. |
| Blood & lymphatic system disorder          | Uncommon - Eosinophilia, leucopaenia, thrombocythaemia and neutropaenia; Rare - agranulocytosis; Very rare - haemolytic anaemia. A positive direct or indirect Coombs' test may develop. |
| Cardiovascular                             | Cardiac failure has been reported but a causal link with meropenem has not been established. |
| Nervous system disorders                   | Uncommon — paraesthesiae; Rare - convulsions. Delirium and hallucinations have been reported but a causal link with meropenem has not been established. |
Respiratory
Pneumonia and respiratory failure have been reported but a causal link with meropenem has not been established.

Whole body
Fever and septicaemia have been reported but a causal link with meropenem has not been established.

Other
Oral and vaginal candidiasis, antibiotic-associated colitis

Reporting suspected adverse effects
Reporting suspected adverse reactions after authorisation of the medicine is important. It allows continued monitoring of the benefit/risk balance of the medicine. Healthcare professionals are asked to report any suspected adverse reactions at http://www.tga.gov.au/reporting-problems.

4.9 Overdose
The pharmacological properties and mode of administration make it unlikely that intentional overdose will occur. Accidental overdosage could occur during therapy, particularly in patients with renal impairment. Treatment of overdosage should be symptomatic. In normal individuals rapid renal elimination will occur. In subjects with renal impairment haemodialysis will remove meropenem and its metabolite.

For information on the management of overdose, contact the Poison Information Centre on 131126 (Australia) or 0800 764 766 (New Zealand).

5 PHARMACOLOGICAL PROPERTIES
5.1 Pharmacodynamic properties

Mechanism of Action
Meropenem is a carbapenem antibiotic for parenteral use, that is stable to human dehydropeptidase-1 (DHP-1).

Microbiology
Meropenem exerts its bactericidal action by interfering with vital bacterial cell wall synthesis. The ease with which it penetrates bacterial cell walls, its high level of stability to all serine β-lactamases and its marked affinity for the Penicillin Binding Proteins (PBPS) explain the potent bactericidal action of meropenem against a broad spectrum of aerobic and anaerobic bacteria. Bactericidal concentrations are commonly the same as the minimum inhibitory concentrations (MICs).

Meropenem is stable in susceptibility tests and these tests can be performed using normal routine methods. In vitro tests show that meropenem acts synergistically with various antibiotics. It has been demonstrated both in vitro and in vivo that meropenem has a post-antibiotic effect.

Meropenem is usually active, in vitro and in clinical infections, against the strains of bacteria shown below:

Gram-positive aerobes
Enterococcus faecalis, Staphylococcus aureus (penicillinase negative and positive), Staphylococci-coagulase-negative including Staphylococcus epidermidis, streptococci
including *Streptococcus pneumoniae*, *Streptococcus agalactiae*, *Streptococcus pyogenes*, *Streptococcus mitis*, *Streptococcus milleri*, *Streptococcus sanguis*, *Streptococcus viridans*.

**Gram-negative aerobes**


**Anaerobic bacteria**

*Bacteroides fragilis*, *Bacteroides thetaiotaomicron*, and other *Bacteroides* spp., *Clostridium* spp. including *C. perfringens*, *Eubacterium lentum*, *Fusobacterium* spp., *Mobiluncus curtisi*, *Peptostreptococcus* spp., *Peptococcus* spp.

Some strains of *Pseudomonas aeruginosa* are susceptible to meropenem *in vitro* and in clinical infections.

*Enterococcus faecium*, *Stenotrophomonas (Xanthomonas) maltophilia*, and methicillin resistant staphylococci have been found to be resistant to meropenem.

**Disc Susceptibility**

Dilution of diffusion techniques—either quantitative (MIC) or breakpoint, should be used following a regularly updated, recognised and standardised method, (e.g. NCCLS). Standard susceptibility test procedure require the use of laboratory control microorganisms to control the technical aspects of the laboratory procedures.

A report of "Susceptible" indicates that the pathogen is likely to be inhibited if the antimicrobial compound in the blood reaches the concentrations usually achievable. A report of "Intermediate" indicates that the result should be considered equivocal, and if the microorganism is not fully susceptible to alternative, clinically feasible drugs, the test should be repeated. This category implies possible clinical applicability in body sites where the drug is physiologically concentrated or in situations where high dosage of drug can be used. This category also provides a buffer zone, which prevents small-uncontrolled technical factors from causing major discrepancies in interpretation. A report of "Resistant" indicates that the pathogen is not likely to be inhibited if the antimicrobial compound in the blood reaches the concentration usually achievable, other therapy should be selected.

Note: The prevalence of resistance may vary geographically for selected species and local information on resistance is desirable, particularly when treating severe infections.

**Clinical Trials**

No data available.

**5.2 Pharmacokinetic properties**

The pharmacokinetics are linear over the dose range of 10 to 40 mg/kg.

**Absorption**

A 30 minute intravenous infusion of a single dose of meropenem in normal volunteers results in peak plasma levels of approximately 11 µg/mL for the 250 mg dose, 23 µg/mL for the 500 mg dose, 49 µg/mL for the 1 g dose and 115 µg/mL following the 2 g dose.

A 5 minute intravenous bolus injection of meropenem in normal volunteers results in peak plasma levels of approximately 52 µg/mL for the 500 mg dose and 112 µg/mL for the 1 g dose.
Intravenous infusions over 2 minutes, 3 minutes and 5 minutes of a 1 g dose of meropenem were compared in a three-way crossover trial. These durations of infusion resulted in peak plasma levels of 110, 91 and 94 µg/mL, respectively.

After an intravenous dose of 500 mg, plasma levels of meropenem decline to values of 1 µg/mL or less, 6 hours after administration.

**Distribution**
When multiple doses are administered at 8 hourly intervals to subjects with normal renal function, accumulation of meropenem does not occur.

Plasma protein binding of meropenem is approximately 2%.

Meropenem penetrates well into most body fluids and tissues including cerebrospinal fluid of patients with bacterial meningitis, achieving concentrations in excess of those required to inhibit most bacteria.

**Metabolism**
The only metabolite of meropenem is microbiologically inactive.

In subjects with normal renal function, meropenem's elimination half-life is approximately one hour.

**Excretion**
Approximately 70% of the intravenous administered dose is recovered as unchanged meropenem in the urine over 12 hours, after which little further urinary excretion is detectable. Urinary concentrations of meropenem in excess of 10 µg/mL are maintained for up to 5 hours at the 500 mg dose. No accumulation of meropenem in plasma or urine was observed with regimens using 500 mg administered every 8 hours or 1 g administered every 6 hours in volunteers with normal renal function.

Studies in children have shown that the pharmacokinetics of meropenem in children are essentially similar to those in adults. The elimination half-life for meropenem was approximately 1.5 hours in children under the age of 2 years.

Pharmacokinetic studies in patients with renal insufficiency have shown the plasma clearance of meropenem correlates with creatinine clearance. Dosage adjustments are necessary in subjects with renal impairment.

Pharmacokinetic studies in the elderly have shown a reduction in plasma clearance of meropenem which correlated with age-associated reduction in creatinine clearance.

Pharmacokinetic studies in patients with liver disease have shown no effects of liver disease on the pharmacokinetics of meropenem.

**5.3 Preclinical safety data**

**Genotoxicity**
Meropenem, with and without metabolic activation as appropriate, was not genotoxic in assays for gene mutations (Salmonella typhimurium, E. coli and Chinese hamster ovary cells) and chromosomal damage (mouse micronucleus assay and human lymphocytes in vitro).

**Carcinogenicity**
The carcinogenic potential of meropenem has not been investigated.
6 PHARMACEUTICAL PARTICULARS

6.1 List of excipients
Sodium carbonate.

6.2 Incompatibilities
Meropenem Kabi should only be mixed with products listed within section 4.2 DOSE AND METHOD OF ADMINISTRATION.

6.3 Shelf life
In Australia, information on the shelf life can be found on the public summary of the Australian Register of Therapeutic Goods (ARTG). The expiry date can be found on the packaging.

6.4 Special precautions for storage
Prior to reconstitution, store Meropenem Kabi powder for intravenous injection packs below 25°C. See section 4.2 DOSE AND METHOD OF ADMINISTRATION for storage of prepared solutions.

6.5 Nature and contents of container
Meropenem Kabi Powder for Injection is a white to light yellow powder in clear 20 mL glass vials, closed with bromobutyl rubber closures, sealed with aluminium caps with polypropylene disc (violet for 500 mg and grey for 1 g), containing meropenem trihydrate 570mg (equivalent to meropenem 500 mg) or meropenem trihydrate 1.14 g (equivalent to meropenem 1.00 g).

Available in packs of 1 or 10 vials.

* not all pack sizes may be marketed.

6.6 Special precautions for disposal
In Australia, any unused medicine or waste material should be disposed of by taking to your local pharmacy.

6.7 Physicochemical properties
Chemical structure: The chemical name of meropenem trihydrate is –
Azabicyclo[3.2.0]hept-2-ene-2-carboxylic acid, 3-[[5-[(dimethylamino)carbonyl]-3-pyrrolidinyl][thio]-6-(1-hydroxyethyl)-4-methyl-7-oxo, trihydrate, [4R-[3(3S*,5S*),4α,5β,6β(R*)]]-.[4R,5S,6S]-3-[[3S,5S]-5-(Dimethylcarbamoyl)-3-pyrrolidinyl][thio]-6-[(1R)-1-hydroxyethyl]-4-methyl-7-oxo-1-azabicyclo[3.2.0]hept-2-ene-carboxylic acid, trihydrate.

Meropenem trihydrate has the following structural formula:
**CAS Number:** 119478-56-7

Molecular Formula of meropenem trihydrate is C$_{17}$H$_{25}$N$_{3}$O$_{5}$S.3H$_{2}$O.

**7 MEDICINE SCHEDULE (POISONS STANDARD)**

Australia: S4 - Prescription Only Medicine

New Zealand: Prescription

**8 SPONSOR**

Fresenius Kabi Australia Pty Limited

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Mount Kuring-gai NSW 2080

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Fresenius Kabi New Zealand Limited

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Airport Oaks, Auckland

New Zealand

Freecall: 0800 144 892

**9 DATE OF FIRST APPROVAL**

25 Mar 2013

**10 DATE OF REVISION OF THE TEXT**

03 Jul 2018

**SUMMARY TABLE OF CHANGES**

<table>
<thead>
<tr>
<th>Section Changed</th>
<th>Summary of new information</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>New format</td>
</tr>
<tr>
<td>4.4</td>
<td>Information added to warnings and precautions</td>
</tr>
<tr>
<td>4.5</td>
<td>Information added to interaction with other medicines</td>
</tr>
<tr>
<td>4.8</td>
<td>Information added to adverse effects</td>
</tr>
</tbody>
</table>