Page 1 of 19

SCHEDULING STATUS: S4

1. NAME OF THE MEDICINE

TAZOCIN® 4 EF Injection

2. QUALITATIVE AND QUANTITATIVE COMPOSITION

TAZOCIN 4 EF injection contains piperacillin sodium equivalent to piperacillin 4 g and tazobactam sodium equivalent to tazobactam 500 mg.

Sugar free.

For the full list of excipients, see section 6.1.

3. PHARMACEUTICAL FORM

Powder for solution for infusion

70 mL glass vials containing a white to off-white caked mass or powder.

Constituted solution: clear colourless to pale yellow liquid free from foreign matter.

4. CLINICAL PARTICULARS

4.1 Therapeutic indications

TAZOCIN 4 EF is indicated for the treatment of the following systemic and/or local bacterial infections in which susceptible organisms have been detected or are suspected:

Adults

• Community acquired pneumonia due to Haemophilus influenzae.

Page 2 of 19

Pfizer Laboratories (Pty) Ltd

Tazocin 4 EF injection

Final approved professional information – 12 April 2021

• Intra-abdominal infections caused by piperacillin resistant beta-lactamase producing strains of Escherichia coli and

Bacteroides fragilis.

Skin and skin structure infections caused by piperacillin resistant beta-lactamase producing strains of

Staphylococcus aureus.

Gynaecologic infections including endometritis caused by piperacillin resistant beta-lactamase producing strains of

E. coli.

TAZOCIN 4 EF plus an aminoglycoside is indicated for bacterial infections in neutropenic patients.

Children

Children under the age of 12 years

TAZOCIN 4 EF plus an aminoglycoside is indicated for bacterial infections in neutropenic patients.

Children 2 - 12 years

In hospitalised children aged 2 to 12 years, TAZOCIN 4 EF is indicated for the treatment of serious intra-abdominal

infections, caused by E. coli or Bacteroides species. It has not been evaluated in this indication for paediatric patients

below the age of 2 years.

While TAZOCIN 4 EF is indicated only for the conditions listed above, infections caused by piperacillin susceptible

organisms are also amenable to TAZOCIN 4 EF treatment due to its piperacillin content. Therefore, the treatment of

mixed infections caused by piperacillin susceptible organisms and beta-lactamase producing organisms susceptible to

TAZOCIN 4 EF should not require the addition of another antibiotic.

TAZOCIN 4 EF is useful in the treatment of mixed infections and in presumptive therapy prior to the availability of the

results of sensitivity tests.

4.2 Posology and method of administration

Posology

Adults and juveniles 12 years and older

The usual dosage for adults and juveniles with normal renal function is 4 g/0,5 g TAZOCIN 4 EF given every eight

hours. The dosage in immunocompromised and neutropenic patients with infection is 4 g/0,5 g TAZOCIN 4 EF every 6 hours in combination with an aminoglycoside.

Neutropenic patients

In treating neutropenic patients, full therapeutic doses of TAZOCIN 4 EF and an aminoglycoside should be used. The possibility of hypokalaemia should be kept in mind in patients who have low potassium reserves, and periodic electrolyte determinations should be made in these patients.

Duration of therapy

In acute infections, treatment with TAZOCIN 4 EF should be for a minimum of five days and continued for forty-eight hours beyond resolution of clinical symptoms or the fever. The usual duration of treatment is 7 - 10 days.

Special populations

Elderly

TAZOCIN 4 EF may be used at the same dose levels as adults except in cases of renal impairment (see below).

Renal insufficiency

In patients with renal insufficiency, the intravenous dose should be adjusted to the degree of actual renal function impairment. The suggested daily doses are as follows:

Intravenous dosage schedule for adults with impaired renal function

Creatinine clearance	Recommended			
(mL/min)	TAZOCIN 4 EF dosage			
90 - 40	12 g/1,5 g/day in divided doses of			
	4 g/0,5 g every 8 hours or 3 g/0,375 g			
	every 6 hours			
20 - 40	8 g/1,0 g/day in divided doses of			
	2 g/0,25 g every 6 hours			
< 20	6 g/0,75 g/day in divided doses of			
	2 g/0,25 g every 8 hours			

For patients on haemodialysis, the maximum daily dose is 2 g/0,25 g every 8 hours. In addition, because haemodialysis removes 30 % - 40 % of piperacillin in 4 hours, one additional dose of 0,75 g TAZOCIN 4 EF should be administered following each dialysis period.

For patients with renal failure and hepatic insufficiency, measurement of serum levels of TAZOCIN 4 EF will provide additional guidance for adjusting dosage.

Paediatric population

Children under the age of 12 years

TAZOCIN 4 EF is only recommended for the treatment of children with neutropenia.

For children weighing over 50 kg, follow the adult dosing guidance, including the aminoglycoside.

For children with normal renal function and weighing less than 50 kg the dose should be adjusted to 90 mg/kg (80 mg piperacillin/10 mg tazobactam) administered every 6 hours, in combination with an aminoglycoside.

Hospitalised children with intra-abdominal infection

For children aged 2 to 12 years, weighing up to 40 kg, and with normal renal function, the recommended dosage is 112,5 mg/kg (100 mg piperacillin/12,5 mg tazobactam) every 8 hours.

For children aged 2 to 12 years, weighing over 40 kg, and with normal renal function, follow the adult dose guidance, i.e. 4,5 g (4 g piperacillin/0,5 g tazobactam) every 8 hours.

The duration of therapy should be guided by the severity of the infection and the patient's clinical and bacteriological progress. Therapy is recommended to be a minimum of 5 days and a maximum of 14 days, considering the dose administration should continue at least 48 hours after the resolution of clinical signs and symptoms.

Children aged 2 - 12 years with renal insufficiency

The pharmacokinetics of TAZOCIN 4 EF has not been studied in paediatric patients with renal impairment. The following dosage adjustment for paediatric patients aged 2 to 12 years with renal impairment is recommended.

Intravenous dosage schedule for children aged 2 - 12 years with impaired renal function

Creatinine clearance (mL/min)	Recommended TAZOCIN 4 EF dosage
> 50	112,5 mg/kg (100 mg/12,5 mg) every 8 hours
≤ 50	78,75 mg/kg (70 mg/8,75 mg) every 8 hours

The dosage modification is only an approximation. Each patient must be monitored closely for signs of medicine toxicity. Medicine dose and interval should be adjusted accordingly.

Method of administration

For intravenous infusion.

TAZOCIN 4 EF must be given by slow intravenous infusion (30 minutes).

4.3 Contraindications

TAZOCIN 4 EF is contraindicated:

- in patients with known hypersensitivity to piperacillin, tazobactam or any of the excipients of TAZOCIN 4 EF (listed in section 6.1).
- in patients with a history of allergic reactions to any of the penicillins and/or cephalosporins or beta-lactamase inhibitors.

4.4 Special warnings and precautions for use

Serious and occasionally fatal hypersensitivity (anaphylactic/anaphylactoid including shock) reactions have been reported in patients receiving therapy with penicillins. These reactions are more apt to occur in persons with a history of penicillin hypersensitivity or sensitivity to multiple allergens.

allergens.

There have been reports of patients with a history of penicillin hypersensitivity that have experienced severe hypersensitivity reactions when treated with a cephalosporin. Before initiating therapy with TAZOCIN 4 EF, careful inquiry should be made concerning previous hypersensitivity reactions to penicillins, cephalosporins, and other

If an allergic reaction occurs during therapy with TAZOCIN 4 EF, the antibiotic should be discontinued. Serious hypersensitivity reactions require immediate emergency measures, with adrenaline, corticosteroids and antihistamines. An open airway must be maintained.

Serious skin reactions, such as Stevens-Johnson syndrome and toxic epidermal necrolysis, have been reported in patients receiving TAZOCIN 4 EF (see section 4.8). If patients develop a skin rash they should be monitored closely and TAZOCIN 4 EF discontinued if lesions progress.

Pseudomembranous colitis has been reported with nearly all antibacterial medicines, including TAZOCIN 4 EF. Antibiotic-induced pseudomembranous colitis may be manifested by severe, persistent diarrhoea which may be life-threatening. The onset of pseudomembranous colitis symptoms may occur during or after antibacterial treatment. Therefore it is important to consider this diagnosis in patients who present with diarrhoea subsequent to the administration of antibacterial medicines.

After the diagnosis of pseudomembranous colitis has been established, therapeutic measures should be initiated. Mild cases of pseudomembranous colitis usually respond to medicine discontinuation alone. In moderate to severe cases, consideration should be given to management with fluids and electrolytes, protein supplementation and treatment with an oral antibacterial medicine effective against *C. difficile*.

In case of severe, persistent diarrhoea, the possibility of antibiotic-induced life-threatening pseudomembranous colitis must be taken into consideration. Therefore, TAZOCIN 4 EF must be discontinued immediately in such cases and suitable therapy be initiated (e.g. oral teicoplanin or oral vancomycin). Preparations, which inhibit peristalsis, are contraindicated.

Final approved professional information – 12 April 2021

Bleeding manifestations have occurred in patients receiving beta-lactam antibiotics. These reactions have sometimes been associated with abnormalities of coagulation tests such as clotting time, platelet aggregation and prothrombin time/international normalised ratio (INR) and are more likely to occur in patients with renal impairment. If bleeding

manifestations occur, TAZOCIN 4 EF should be discontinued and appropriate therapy instituted.

While TAZOCIN 4 EF possesses the characteristic low toxicity of the penicillin group of antibiotics, periodic assessment

of organ system functions including renal and hepatic during prolonged therapy is advisable.

Leukopenia and neutropenia may occur, especially during prolonged therapy with TAZOCIN 4 EF. Therefore, periodic

assessment of haematopoietic function should be performed.

Neurological complications in the form of convulsions may occur when high doses are administered, especially in

patients with impaired renal function.

The use of TAZOCIN 4 EF may result in overgrowth of non-susceptible organisms, including fungi. Patients should

be carefully monitored during therapy. If superinfection occurs, appropriate measures should be taken.

In patients with renal insufficiency or haemodialysis patients, the intravenous dose should be adjusted to the degree of

renal function impairment (see section 4.2).

For patients over 65 years of age, the dosage should be adjusted in the presence of renal insufficiency (see section

4.2).

The possibility of the emergence of resistant organisms, which might cause superinfections, should be kept in mind,

particularly during prolonged treatment with TAZOCIN 4 EF. If this occurs, appropriate measures should be taken.

TAZOCIN 4 EF contains sodium

TAZOCIN 4 EF contains 2,79 mmol (64 mg) of sodium per gram of piperacillin which may increase a patient's overall

sodium intake. Periodic electrolyte determinations should be made in patients with low potassium reserves, and the

Final approved professional information – 12 April 2021

possibility of hypokalaemia should be kept in mind with patients who have potentially low potassium reserves and who are receiving cytotoxic therapy or diuretics. Modest elevation of indices of liver function may be observed.

4.5 Interaction with other medicines and other forms of interaction

Interactions with other medicines

Probenecid

Concurrent administration of probenecid and TAZOCIN 4 EF produced a longer half-life and lower renal clearance for both piperacillin and tazobactam; however, peak plasma concentrations of either medicine are unaffected.

Vancomycin

No interaction is found between TAZOCIN 4 EF and vancomycin.

Aminoglycosides

Piperacillin either alone or with tazobactam did not significantly alter the pharmacokinetics of tobramycin in subjects with normal renal function and with mild or moderate renal impairment. The pharmacokinetics of piperacillin, tazobactam, and the M1 metabolite were also not significantly altered by tobramycin administration.

Whenever TAZOCIN 4 EF is used concurrently with another antibiotic, especially an aminoglycoside, the medicines must not be mixed in intravenous solutions or administered concurrently due to physical incompatibility.

Oral anticoagulants

During simultaneous administration of high doses of heparin, oral anticoagulants and other medicines that may affect the blood coagulation system and/or the thrombocyte function, the coagulation parameters should be tested more frequently and monitored regularly.

Non-depolarising muscle relaxants

Piperacillin, when given concomitantly with vecuronium has been implicated in the prolongation of the neuromuscular blockage of vecuronium. Due to their similar mechanism of action, it is expected that the neuromuscular blockade produced by any of the non-depolarising muscle relaxants could be prolonged in the presence of piperacillin.

Methotrexate

Piperacillin may reduce the excretion of methotrexate; therefore, serum levels of methotrexate should be monitored in

patients to avoid medicine toxicity.

Laboratory tests

The administration of TAZOCIN 4 EF may result in a false-positive reaction for glucose in the urine using a copper-

reduction method. It is recommended that glucose tests based on enzymatic glucose oxidase reactions be used.

There have been reports of positive test results using the Bio-Rad Laboratories Platelia Aspergillus EIA test in patients

receiving TAZOCIN 4 EF injection who were subsequently found to be free of Aspergillus infection. Cross-reactions

with non-Aspergillus polysaccharides and polyfuranoses with Bio-Rad Laboratories Platelia Aspergillus EIA test have

been reported. Therefore, positive test results in patients receiving TAZOCIN 4 EF should be interpreted cautiously

and confirmed by other diagnostic methods.

4.6 Fertility, pregnancy and lactation

Safety in pregnancy and lactation has not been established.

Piperacillin and tazobactam cross the placenta.

Piperacillin is excreted in human milk. Women receiving TAZOCIN 4 EF should not breastfeed their infants.

4.7 Effects on ability to drive and use machines

No studies on the effect of ability to drive or use machines have been performed.

4.8 Undesirable effects

Tabulated summary of adverse reactions

The adverse event terms in clinical studies were categorised utilising the incidence rate as follows:

Very common (≥ 1/10); common (≥ 1/100 to < 1/10); uncommon (≥ 1/1 000 to < 1/100); rare (≥ 1/10 000 to < 1/1

000); very rare (< 1/10 000).

MedDRA system	Frequency	Undesirable effects	
organ class			
Blood and	Common	Thrombocytopenia, positive	
lymphatic system		direct Coombs (positive	
disorders		antiglobulin) test, prolonged	
		activated partial thromboplastin	
		time	
	Uncommon	Leukopenia, prolonged	
		prothrombin time/INR	
	Rare	Agranulocytosis, epistaxis	
	Unknown	Neutropenia, purpura, prolonged	
		bleeding time	
Metabolism and	Common	Hypoalbuminaemia, decreased	
nutrition disorders		total protein	
	Uncommon	Hypokalaemia, hypoglycaemia	
Nervous system	Common	Headache, insomnia	
disorders			
Vascular disorders	Uncommon	Hypotension, phlebitis,	
		thrombophlebitis, flushing	
Gastrointestinal	Very common	Diarrhoea	
disorders	Common	Abdominal pain, nausea,	
		vomiting, constipation,	
		dyspepsia	
	Rare	Pseudomembranous colitis,	
		stomatitis	
Hepato-biliary	Common	Increased aspartate	
disorders		aminotransferase, increased	

		alanine aminotransferase,
		increased blood alkaline
		phosphatase
	Uncommon	Hyperbilirubinaemia
	Unknown	Jaundice, increased gamma-
		glutamyltransferase
Skin and	Common	Rash, pruritus
subcutaneous	Uncommon	Urticaria
tissue disorders	Unknown	Bullous dermatitis
Musculoskeletal,	Uncommon	Arthralgia, myalgia
connective tissue		
and bone disorders		
Renal and urinary	Common	Increased blood creatinine,
disorders		increased blood urea
	Unknown	Renal failure
General disorders	Common	Pyrexia, injection site reaction
and administration	Uncommon	Chills
site conditions		

Unknown frequencies cannot be estimated from available data

Piperacillin therapy has been associated with an increased incidence of fever and rash in cystic fibrosis patients.

Post-marketing

The following post-marketing adverse events have been reported with TAZOCIN 4 EF:

MedDRA system organ class	Undesirable effects
Infections and	Candidiasis
infestations	
Blood and	Anaemia

lymphatic system	Pancytopenia, haemolytic		
disorders	anaemia, eosinophilia,		
	thrombocytosis		
Immune system	Anaphylactoid reaction,		
disorders	anaphylactic reaction,		
	anaphylactoid shock,		
	anaphylactic shock,		
	hypersensitivity		
Hepatobiliary	Hepatitis		
disorders			
Skin and	Erythema multiforme,		
subcutaneous	maculopapular rash, toxic		
tissue disorders	epidermal necrolysis		
	Stevens-Johnson syndrome		
Renal and urinary	Tubulointerstitial nephritis		
disorders			

Reporting of suspected adverse reactions

Reporting suspected adverse reactions after authorisation of the medicine is important. It allows continued monitoring of the benefit/risk balance of the medicine. Health care providers are asked to report any suspected adverse reactions to SAHPRA via the "6.04 Adverse Drug Reactions Reporting Form", found online under SAHPRA's publications: https://www.sahpra.org.za/Publications/Index/8

4.9 Overdose

Symptoms

See sections 4.8 and 4.4. The majority of events experienced during overdosage including nausea, vomiting and diarrhoea have also been reported with the usual recommended dosages. Patients may experience neuromuscular excitability or convulsions if higher than recommended doses are given intravenously (particularly in the presence of renal failure).

Treatment

Treatment should be supportive and symptomatic according to the patient's clinical presentation. No specific antidote is

known. Excessive serum concentrations of either piperacillin or tazobactam may be reduced by haemodialysis.

In the event of an emergency, all required intensive medical measures are indicated as in the case of piperacillin.

In case of motor excitability or convulsions, anticonvulsive medicines (e.g. diazepam or barbiturates) may be indicated.

In case of severe, hyperallergic (anaphylactic) reactions, the usual countermeasures are to be initiated (antihistamines,

corticosteroids, sympathomimetic medicines and, if required, oxygen and airway management).

5. PHARMACOLOGICAL PROPERTIES

5.1 Pharmacodynamic properties

Category and class: A 20.1.1 Broad and medium spectrum antibiotics

Piperacillin, a broad spectrum, semi-synthetic penicillin active against many Gram-positive and Gram-negative aerobic

and anaerobic bacteria, exerts bactericidal activity by inhibition of both septum and cell wall synthesis. Tazobactam, a

triazolylmethyl penicillanic acid sulfone, is an inhibitor of many beta-lactamases, including the plasmid and

chromosomally mediated enzymes. The presence of tazobactam in the piperacillin/tazobactam formulation enhances

and extends the antibiotic spectrum of piperacillin.

The organisms that are inherently resistant to piperacillin-tazobactam are those organisms in which beta-lactam

resistance is due to a change in a penicillin-binding protein (PBP). These include all methicillin-resistant

staphylococci, penicillin-resistant streptococci and enterococci, and some penicillin-resistant Haemophilus and

Neisseria where resistance is not due to a beta-lactamase. It needs to be noted, though, that not all beta-

lactamases in Enterobacteriaceae, including Escherichia coli, are inhibited by tazobactam.

In vitro sensitivity does not necessarily imply clinical efficacy.

5.2 Pharmacokinetic properties

Distribution

Both piperacillin and tazobactam are approximately 30 % bound to plasma proteins. The protein binding of either piperacillin or tazobactam is unaffected by the presence of the other compound. Protein binding of the tazobactam metabolite is negligible.

Piperacillin/tazobactam is widely distributed in tissues and body fluids including intestinal mucosa, gallbladder, lung, bile, and bone. Mean tissue concentrations are generally 50 % to 100 % of those in plasma.

Distribution of piperacillin and tazobactam into cerebrospinal fluid is low in subjects with non-inflamed meninges, as with other penicillins.

Metabolism

Piperacillin is metabolised to a minor microbiologically active desethyl metabolite. Tazobactam is metabolised to a single metabolite that has been found to be microbiologically inactive.

Elimination

Piperacillin and tazobactam are eliminated via the kidney by glomerular filtration and tubular secretion.

Piperacillin is excreted rapidly as unchanged medicine with 68 % of the administered dose appearing in the urine. Tazobactam and its metabolite are eliminated primarily by renal excretion with 80 % of the administered dose appearing as unchanged medicine and the remainder as the single metabolite. Piperacillin, tazobactam, and desethyl piperacillin are also secreted into the bile.

Following single or multiple doses of piperacillin/tazobactam to healthy subjects, the plasma half-life of piperacillin and tazobactam ranged from 0,7 to 1,2 hours and was unaffected by dose or duration of infusion. The elimination half-lives of both piperacillin and tazobactam are increased with decreasing renal clearance.

Pfizer Laboratories (Pty) Ltd Tazocin 4 EF injection

Final approved professional information – 12 April 2021

There are no significant changes in piperacillin pharmacokinetics due to tazobactam. However, piperacillin reduces

the rate of elimination of tazobactam.

Special populations

The half-life of piperacillin and of tazobactam is increased in patients with hepatic cirrhosis compared to healthy

subjects. Dosage adjustment of piperacillin is not warranted in patients with hepatic cirrhosis.

The half-life of piperacillin and tazobactam increases with decreasing creatinine clearance. The increase in half-life

is two-fold and four-fold for piperacillin and tazobactam, respectively, at creatinine clearance below 20 mL/min

compared to patients with normal renal function.

Haemodialysis removes 30 % to 50 % of piperacillin/tazobactam with an additional 5 % of the tazobactam dose

removed as the tazobactam metabolite. Peritoneal dialysis removes approximately 6 % and 21 % of the piperacillin

and tazobactam doses, respectively, with up to 18 % of the tazobactam dose removed as the tazobactam

metabolite.

6. PHARMACEUTICAL PARTICULARS

6.1 List of excipients

Citric acid monohydrate

Disodium edetate dihydrate (EDTA)

Sodium hydrogen carbonate

6.2 Incompatibilities

Pharmaceutical incompatibilities

TAZOCIN 4 EF should not be mixed with other medicines in a syringe or infusion bottle since compatibility has not been

established.

The mixing of beta-lactam antibiotics with aminoglycosides in vitro can result in substantial inactivation of the

aminoglycoside. However, amikacin and gentamicin were determined to be compatible with TAZOCIN 4 EF in vitro in

certain diluents at specific concentrations (see section 6.6).

Because of chemical instability, TAZOCIN 4 EF should not be used with solutions containing only sodium bicarbonate.

Lactated Ringer's solution is only compatible with TAZOCIN 4 EF formulation.

TAZOCIN 4 EF should not be added to blood products or albumin hydrolysates.

6.3 Shelf life

36 months

Solutions

Vials containing reconstituted solutions for intravenous use are stable for 24 hours at room temperature (below 25 °C) and 48 hours under refrigeration (2 - 8 °C).

Diluted solutions prepared for intravenous use are stable for 24 hours at room temperature (below 25 °C) and 48 hours under refrigeration (2 - 8 °C) in IV bags or syringes. Unused solution should be discarded.

6.4 Special precautions for storage

Dry powder

Vials containing sterile piperacillin/tazobactam dry powder may be stored at or below controlled room temperature (up to 25 °C).

6.5 Nature and contents of container

TAZOCIN 4 EF is available as a white to off-white sterile, cryodesiccated powder of piperacillin and tazobactam as the sodium salts packaged in 70 mL glass vials.

Each 70 mL vial contains sterile piperacillin sodium equivalent to 4 grams and sterile tazobactam sodium equivalent to 500 milligrams.

6.6 Special instructions for disposal and other handling

Reconstitution directions

Diluents for reconstitution:

Sterile water for injection

Bacteriostatic water for injection

Sodium chloride injection

Each vial of 4 g/0,5 g TAZOCIN 4 EF should be reconstituted with at least 20 mL of one of the above diluents. Shake until dissolved.

For intravenous infusion

The reconstituted solution may be further diluted to the desired volume (e.g. 50 mL or 100 mL) with one of the reconstitution diluents or with:

Dextrose 5 % in water

Co-administration of TAZOCIN 4 EF with aminoglycosides

Due to *in vitro* inactivation of the aminoglycoside by the beta-lactam antibiotics, TAZOCIN 4 EF and the aminoglycoside are recommended for separate administration. TAZOCIN 4 EF and the aminoglycoside should be reconstituted and diluted separately when concomitant therapy with aminoglycosides is indicated (see sections 4.5 and 6.2).

In circumstances where co-administration is preferred, the reformulated TAZOCIN 4 EF containing EDTA supplied in vials is compatible for simultaneous co-administration via Y-site infusion only with the following aminoglycosides under the following conditions:

Aminoglycoside	TAZOCIN	TAZOCIN	Aminoglycoside	Acceptable
	4 EF	4 EF	concentration	diluents
	(grams)	diluent	range [‡] (mg/mL)	
	dose	volume		
		(mL)		
Amikacin	2,25	50	1,75 - 7,5	0,9 %

	3,375	100		sodium
	4,5	150		chloride or
				5 %
				dextrose
Gentamicin	2,25	100	0,7 - 3,32	0,9 %
	3,375	150		sodium
	4,5			chloride

^{*}The dose of aminoglycoside should be based on patient weight, status of infection (serious or life-threatening) and renal function (creatinine clearance).

Compatibility of TAZOCIN 4 EF with other aminoglycosides has not been established. Only the concentration and diluents for amikacin and gentamicin with the dosages of TAZOCIN 4 EF listed in the above table have been established as compatible for co-administration via the Y-site. Simultaneous co-administration via Y-site in any other manner than listed above may result in inactivation of the aminoglycoside by TAZOCIN 4 EF.

7. HOLDER OF CERTIFICATE OF REGISTRATION

Pfizer Laboratories (Pty) Ltd

85 Bute Lane

Sandton 2196

South Africa

Tel: +27(0)11 320 6000 / 0860 734 937 (Toll-free South Africa)

8. REGISTRATION NUMBER

Z/20.1.1/201

9. DATE OF FIRST AUTHORISATION

06 June 1994

10. DATE OF REVISION OF THE TEXT

12 April 2021

NAMIBIA: S2

Reg. No.: 07/20.1.2/0055

BOTSWANA: S2

Reg. No.: BOT 0801384

ZIMBABWE: PP9

Reg. No.: 2012/7.1.2/4750