표시자재 표준화판 V5BSG-211203-T00		V5BSG-211203-T00_00					
제품명	STERILE VANCOMYCIN (싱가폴) 인서트		이노엔담당자	등록팀	장미양 님 / 02-6477-0223		
규격(장 / 폭 / 고)	170×270 (mm)		인쇄소 담당	성지피앤씨	이창준 님 / 010-3752-3375		
인쇄도수	2도 (Black+246C)			로직앤매직	이현지 / 02-558-8970		
	Black 246C		원고 담당	담당자 확인	이텐	팀장 확인	kym
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				생산지원			
				QA책임자			

에이치케이이노엔주식회사



V5BSG-211203-T00

R. Prescription drug

inno.N

Vancomycin HCl - lyophilized powder for injection

Inform your doctors of undesirable effects when using the drug.

Read carefully the package insert before using the drug. Please ask your doctors in case you need more information.

This drug is by doctors' prescription only.

This drug is used in hospitals only.

COMPOSITION

 $\label{lem:active ingredient: Active ingredient: Bach vial of Vancomycin HCI Injection 500 mg contains Vancomycin Hydrochloride equivalent to 500 mg of Vancomycin. The properties of the prop$

DOSAGE FORM

A white to pale colored lyophilized powder for injection contained in a colorless and clear vial.

PACKACING SIZE

INDICATIONS

Vancomycin, used intravenously is indicated in the therapy of severe, potentially life-threatening infections due to susceptible gram-positive microorganisms which cannot be treated with or failed to respond to other effective, less toxic antimicrobial medicinal products, such as penicilism and cephalosporins. Vancomycin should be reserved for those cases where there is a specific indication, to minimize the chance of resistance emerging.

Vancomycin is useful in the treatment of the following severe infections caused by susceptible microorganisms

(see section PHARMACODYNAMIC):

infections of bones (osteomyelitis).

pneumonia,
 soft-tissue infections.

Endocarditis caused by enterococci, Streptococcus viridans or S. bovis should be treated with a combination of vancomycin and an aminoglycoside.

vancomycin and an ammogycostice.

Vancomycin may be used for the perioperative prophylaxis against bacterial endocarditis, in patients at high risk of developing bacterial endocarditis when they undergo major surgical procedures (e.g., cardiac and vascular procedures, etc) and are unable to receive a suitable beta-lactam antibacterial agent.

Consideration should be given to official guidance on the appropriate use of antibacterial agents.

DOSAGE AND ADMINISTRATIONS

Dosage Vancomycin powder for solution for infusion must be administered intravenously. Each dose should be administered at a rate not exceeding 10 mg/min or over a period of time of at least 60 minutes (whichever is longer). The dose should be individually adapted according to weight, age and renal function.

The following dosage regimens are recommended

Patients with normal renal function

Talletins With Hormas resonations.

Adults and adolescents above 12 years of age:

The recommended daily intravenous dose is 200 mg, divided into doses of 500 mg every 6 hours or 1000 mg every 12 hours.

For bacterial endocarditis, the generally accepted regimen is 1000 mg vancomycin intravenously every 12 hours for 4 weeks either alone or in combination with other antibiotics (gentamicin plus rifampin, gentamicin, streptomycin).

Enterococcal endocarditis is treated for 6 weeks with vancomycin in combination with an aminoglycoside -

according to national recommendations.

Perioperative prophylaxis against bacterial endocarditis: Adults receive 1000 mg vancomycin intravenously prior to surgery (prior to induction of anaesthesia) and depending on time and type of surgery, the dose of 1000 mg of vancomycin i.v. 12 hours postoperatively can be given. Children one month to 12 years of age:

The recommended intravenous dose is 10 mg/kg, every 6 hours or 20 mg/kg every 12 hours.

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recommended initial dose is 15 mg/kg, followed by 10 mg/kg every 12 hours during the first week of life and every 8 hours after that age and up to 1 month of age. Careful monitoring of serum concentration of vancomycin is recommended (see below). Elderly patients:

Lower maintenance doses may be required due to the age-related reduction in renal function.

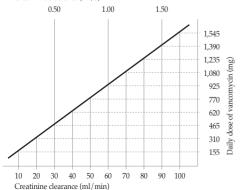
Ovese patients:

Modification of the usual daily doses may be required.

Patients with hepatic insufficiency
There is no evidence that the dose has to be reduced in patients with hepatic insufficiency.

The dose must be adjusted in patients with impaired renal function and the following monogram can serve as guidance. Careful monitoring of serum cond

Creatinine clearance (ml/s)



Dosing monogram for adults with impaired renal function.

In patients with mild or moderate renal failure, the starting dose must not be less than 15 mg/kg. In patient with severe renal failure, it is preferable to administer a maintenance dose between 250 mg and 1000 mg at a spacing of several days rather than administer lower daily doses. Patients with anuria (with practically no renal function) should receive a dose of 15 mg/kg body weight until Talette with a mainty with particular in relating the property and the therapeutic serum concentration is reached. The maintenance does are 1.9 mg/kg body weight per 24 hours. In order to facilitate the procedure, adult patients with strongly impaired renal function may obtain a maintenance does of 250–1000 mg at intervals of several days instead of a daily dose.

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Dosage in case of haemodialysis

For patients without any renal function, even under regular hemodialysis, the following dosage is also possible:

Saturating dose 1000 mg, maintenance dose 1000 mg every 7 - 10 days.

If polysulfone membranes are used in haemodialysis (high flux dialysis), the half-life of vancomycin is reduced. An additional maintenance dose may be necessary in patients on regular haemodialysis.

An acuruonan mammenance cose may be necessary in patients on regular haemodialysis.

Monitoring of vancomycin serum concentrations:
The serum concentration of vancomycin should be monitored at the second day of treatment immediately prior to the next dose, and one hour post infusion. Therapeutic vancomycin blood levels should be between 30 and 40 mg/1 (maximum 50 mg/1) one hour after the end of the infusion, the minimum level (short prior to the next administration) between 5 and 10 mg/1.

The concentrations should normally be monitored twice or three times per week.

Administration

Method of administration:

Parenterally vancomycin shall only be administered as slow intravenous infusion (not more than 10 mg/min over at least 60 min) which is sufficiently diluted (at least 100 ml per 500 mg or at least 200 ml per 1000 mg). Patients requiring fluid restriction can receive a solution of 500 mg / 50 ml or 1000 mg / 100 ml. With these higher concentrations the risk for infusion related side effects can be increased. For information about the preparation of the solution, please refer to the section "Preparation of the solution

<u>Duration of treatment</u>
The duration of the treatment depends on the severity of the infection as well as on the clinical and bacteriological

progress. The product must be reconstituted and the resulting concentrate must then be diluted prior to use. Preparation of the solution for infusion

Dissolve Vancomycin 1000 mg in 20 ml of sterile Water for injection or dissolve Vancomycin 500 mg in 10 ml of sterile Water for injection to form reconstituted solution contains 50 mg of vancomycin in each ml.

After reconstitution the solution is clear and colorless to slightly yellowish brown without visible particles.

After reconstitution are solution is clear and colories to signify yellowish frown wimout visible part For storage conditions of the reconstituted medicinal product, see section STORAGE CONDITIONS. Step 2: Reconstituted solutions containing 50 mg/ml of vancomycin should be further diluted. Suitable diluents are:

5% Glucose Injection or

0.9% Sodium Chloride Injection or 5% Glucose Injection with 0.9% Sodium Chloride Injection.

Reconstituted solution containing 500 mg or 1000 mg vancomycin (50 mg/ml) must be diluted further with

at least 100 ml or 200 ml diluent (respectively) (to 5mg/ml).

The concentration of vancomycin in Solution for infusion should not exceed 5 mg/ml.

The desired dose should be administered slowly by intravenous use at a rate of no more than 10 mg/minute, This desired does around be administed as why by inhardeneds use at a face of no indice that it o high inhardeneds. Continuous infusion:

This should be used only if treatment with an intermittent infusion is not possible. Dilute 1000 mg to 2000 mg

In a solution of the administration in a sufficient amount of the above suitable diluent and administer it in the form of a drip infusion, so that the patient will receive the prescribed daily dose in 24 hours. For storage conditions of the diluted medicinal product, see section STORAGE CONDITIONS Before administration, the reconstituted and diluted solutions should be inspected visually for particulate matter and discoloration. Only clear, and colorless solution free from particles should be used.

CONTRAINDICATION

WARNINGS AND PRECAUTION FOR USE

In the presence of acute anuria or cochlear damage, vancomycin must be used only when absolutely necessary and if no other safer alternatives are available.

In case of severe acute hypersensitivity reactions (e.g. anaphylaxis), the treatment with vancomycin has to be

In case of severe acute hypersensitivity reactions (e.g. anaphylaxis), the treatment with vancomycin has to be discontinued immediately and the usual appropriate emergency measures have to be started (e.g. antihistaminics, corticosteroides, and – if necessary – artificial respiration).

Rapid bolus administration (i.e. over several minutes) may be associated with severe hypotension (including shock and rare cardiac arrest), histamine like responses and maculopapular or erythematous rash ("red man's syndrome" or "red neck syndrome"). Vancomycin should be infused slowly in a dilute solution (2.5 to 5.0 g/1) at a rate no greater than 10 mg/min and over a period not less than 60 minutes to avoid rapid infusion-related reactions. Stopping the infusion usually results in a prompt ossation of these reactions.

Vancomycin must be administered only by intravenous use, owing to the risk of necrosis. The risk of venous irritation is minimized by giving vancomycin in the form of a dilute infusion and by changing the injection site. The administration of vancomycin by intravenous inventoring and induring continuous ambulatory rectioneal dialvisin.

The administration of vancomycin by intraperitoneal injection during continuous ambulatory peritoneal dialysis

The administration of vancomycin by intrapertioneal injection during continuous amoulatory peritoneal dialysis has been associated with a syndrome of chemical peritonitis.

Nephrotoxicity: vancomycin must be used with caution in patients with renal failure as the possibility of developing toxic effects is much higher in the presence of prolonged high blood concentrations. In the treatment of these patients and in those who are receiving concomitant treatment with other nephrotoxic active substances (i.e. aminoglycosides), serial tests of renal function must be performed and the appropriate dose regimens adhered to in order to reduce the risk of nephrotoxicity to a minimum (see section DOSAGE AND ADMINISTRATION). to in order to reduce the risks of neptrotoxicity with animulant (see section AUSALE AND AUSILISTICATION). Obtoxicity, which may be transitory or permanent (see section ADVERSE DRUG REACTIONS) has been reported in patients with prior deafness, who have received excessive intravenous doses, or who receive concomitant treatment with another ototoxic active substance such as an aminoglycoside. Deafness may be preceded by tinnitus. Experience with other antibiotics suggests that deafness may be progressive despite cessation of treatment. To reduce the risk of ototoxicity, blood levels should be determined periodically and periodic testing of auditory function is recommended.

vancomyon is very intrating to issue and causes injection size necrosis in injective intramuscularly. Fain and thrombophlebitis may occur in many patients receiving vancowing and severity of thrombophlebitis can be minimized by administering the medicinal product slowly as a dilute solution (see section DOSAGE AND ADMINISTRATION) and by changing the sites of infusion regularly. The frequency of infusion-related reactions (hypotension, flushing, erythema, urticaria and pruritus) increases

with the concomitant administration of anaesthetic agents. This may be reduced by administering the vancomycin by infusion over 60 minutes, before anaesthetic induction.

by musion over 00 minutes, berofe anaestretic induction.

Vancomycin should be used with caution in patients with allergic reactions to teicoplanin, since crossed hypersensitivity reactions between vancomycin and teicoplanin have been reported.

Anaesthetic induced myocardial depression may be enhanced by vancomycin. During anaesthesia, doses must be well diluted and administered slowly with close cardiac monitoring. Position changes should be delayed until the infusion is completed to allow for postural adjustment.

In patients receiving vancomycin over a longer-term period or concurrently with other medications which may cause neutropenia or agranulocytosis, the leukocyte count should be monitored at regular intervals. All patients receiving vancomycin should have periodic haematologic studies, urine analysis, liver and renal

Prolonged use of vancomycin may lead to superinfections with resistant microorganisms, therefore such patients should be regulatory monitored. If superinfection occurs during therapy, appropriate measures should be taken. Pseudomembranous colitis has been reported with nearly all antibacterial agents, including vancomycin, and may range in the severity from mild to life-threatening. Therefore, it is important to consider this diagnosis in patients who present with diarrhoea subsequent to the administration of vancomycin. Antiperistaltics are

Regular monitoring of the blood levels of vancomycin is indicated in longer-term use, particularly in patients with renal dysfunction or impaired faculty of hearing as well as in concurrent administration of nephrotoxic or with renal dystunction or impaired recently a substance of obtoxic substances, respectively.

Doses should be titrated on the basis of serum levels. Blood levels should be monitored and renal function tests

It is a general recommendation to monitor the concentrations 2-3 times weekly.

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The elderly are particularly susceptible to auditory damage and should be given serial tests for auditory function if over the age of 60. Concurrent or sequential use of other neurotoxic substances should be avoided. Vancomycin should be used with particular care in premature infants and children, because of their renal immaturity and the possible increase in the serum concentration of vancomycin. The blood concentrations of vancomycin should therefore be monitored carefully. The concomitant use of vancomycin and anaesthetic agents in children has been associated with erythema and anaphylactoid reactions. If the administration of vancomycin is required for surgical prophylaxis, it is advisable to administer the anaesthetic agents after

PREGNANCY AND LACTATION

Pregnancy:

No sufficient safety experience is available regarding vancomycin during human pregnancy. Reproduction toxicological studies on animals do not suggest any effects on the development of the embryo, foetus or gestation period (see section PRECLINICAL DATA).

However, vancomycin penetrates the placenta and a potential risk of embryonal and neonatal ototoxicity and nephrotoxicity cannot be excluded. Therefore vancomycin should be given in pregnancy only if clearly needed

and after a careful risk/benefit evaluation.

: cin is excreted in human milk and should be therefore used in lactation period only if other antibiotics Values in the infant (disturbances in the intestinal flora with diarrhoea, colonisation with yeast-like fungi Considering the importance of this medicine for nursing mother, the decision should to stop breastfeeding

EFECTS ON ABILITY TO DRIVE AND USE MACHINES

Other potentially nephrotoxic or ototoxic medications

Concurrent or sequential administration of vancomycin with other potentially neurotoxic or/and nephrotoxic active substances particularly gentamycin, amphotericin B, streptomycin, neomycin, kanamycin, amikacin, tobramycin, viomycin, bacitracin, polymyxin B, colistin and cisplatin may potentiate the nephrotoxicity and/or ototoxicity of vancomycin and consequently requires careful monitoring of the patient.

Because of synergic action (e.g. with gentamycin) in these cases the maximum dose of vancomycin has to be restricted to 500 mg every 8 hours.

Anaesthetic Anaesthetic Concurrent administration of vancomycin and anaesthetic agents has been associated with erythema, histamine like flushing and anaphylactoid reactions. This may be reduced if the vancomycin is administered over 60 minutes before anaesthetic induction. Muscle relaxants

Transcompton is administered during or directly after surgery, the effect (neuromuscular blockade) of muscle relaxants (such as succinylcholine) concurrently used can be enhanced and prolonged.

UNDERSIRABLE EFFECTS

UNDERSIRABLE EFFECTS
Within each frequency grouping, undesirable effects are presented in order of decreasing seriousness.
The adverse reactions listed below is defined using the following MedDRA convention and system organ class

database: very common ($\geq 1/10$); common ($\geq 1/100$ to < 1/10); uncommon ($\geq 1/1,000$ to < 1/10); rare ($\geq 1/10,000$ to < 1/1,000; very rare (< 1/10,000), not known (cannot be estimated from the available data). The most common adverse reactions are phlebitis and pseudo-allergic reactions in connection with too rapid

intravenous use of vancomycin. intravenous use or vanconiycui. Blood and the lymphatic system disorders $Rare \ (\ge 10,000\ to \le 1/1,000)$: thrombocytopenia, neutropenia, agranulocytosis, eosinophilia.

Infilition system disorders Rane ($\geq 10,000$ to $\leq 1/1,000$): anaphylactic reactions, hypersensitivity reactions. Ear and labyrinth disorders Uncommon ($\geq 1,000$ to $\leq 1/1$ 00): transient or permanent loss of hearing.

Rare ($\geq 10,000$ to $\leq 1/1,000$): tinnitus, dizzines

Kare (≥ 10,000 to ≤1/1,000); nuntitus, dizziness.
Cardiac disorders
Very rare (≤1/10,000): cardiac arrest.
Vascular disorders
Common (≤1/10 to ≤1/10): decrease in blood pressure, thrombophlebitis.
Rare (≥ 10,000 to ≤1/1,000): vasculitis.

Respiratory, thoracic and medistinal disorders

Common (>1/100 to ≤1/10): dyspnoea, stridor. Gastrointestinal disorders

Gastrointestinal usorders Rare(≥ 10,000 to ≤1/1,000): nausea. Very rare(≤1/10,000): pseudomembranous enterocolitis. Skin and subcutaneous tissue disorders

Common (>1/100 to ≤1/10): exanthema and mucosal inflammation, pruritus, urticaria.

Very rare (<1/10, 000); exfoliative dermatitis. Stevens-Johnson syndrome, Lyell's syndrome, Ig A induced bullous

Renal and urinary disorders

Common (>1/100 to <1/10): renal insufficiency manifested primarily by increased serum creatinine or serum

Rare (\geq 10,000 to \leq 1/1,000): interstitial nephritis, acute renal failure. General disorders and administration site conditions

General disorders and administration site conditions Common 1-1100 od 1/10): redness of the upper body and the face, pain and spasm of the chest and back muscles. $Rare (\ge 10,000 \text{ to} \le 1/1,000)$: drug fever, shivering. During or shortly after rapid infusion anaphylactic reactions may occur. The reactions abate when administration is stopped, generally between 20 minutes and 2 hours after having stopped administration. Ottotoxicity has primarily been reported in patients given high doses, or concomitant treatment with other ototoxic medicinal products, or with pre-existing reduction in kidney function or hearing.

PHARMACODYNAMIC

ATC classification

nacotherapeutic group: glycopeptide antibacterials, ATC code: J01XA01. Mode of action

Vancomycin is a glycopeptide antibiotic. Vancomycin has a bactericidal effect on proliferating germs by inhibiting the biosynthesis of the cell wall. In addition, it impairs the permeability of the bacterial cell membrane and RNA synthesis.

Mechanism(s) of resistance

Acquired resistance to glycopeptides is based on acquisition of various van gene complexes. Van genes have rarely been found in Staphylococcus aureus, where changes in cell wall structure result in "intermediate" susceptibility, which is most commonly heterogeneous. There is no cross-nesistance between varonomyrian and other antibiotics but cross-resistance with other glycopeptide antibiotics, such as teicoplanin, does occur. Secondary development of resistance during therapy is rare.

In some countries, increasing cases of resistance are observed particularly in enterococci; multi-resistant strains of Enterococcus faecium are especially alarming.

Synergism
The combination of vancomycin with an aminoglycoside antibiotic has a synergistic effect against many strains of Staphylococcus aureus, non-enterococcal D-streptococci, enterococci and streptococci of the Viridans group. The combination of vancomycin with a cephalosporin has a synergistic effect against some oxacillin-resistant Staphylococcus epidermidis strains, and the combination of vancomycin with rifampicin has a synergistic effect against Staphylococcus epidermidis and a partial synergistic effect against some Staphylococcus aureus strains. As vancomycin in combination with a cephalosporin may also have an antagonistic effect against some Staphylococcus epidermidis strains and in combination with rifampicin against some Staphylococcus

aureus strains, preceding synergism testing is useful.

Specimens for bacterial cultures should be obtained in order to isolate and indentify the causative organisms nd to determine their susceptibility to vancomycia

Breakpoints

Minimum inhibitory concentration (MIC) breakpoint established by the European Committee on Antimicrobial Susceptibility Testing (EUCAST) for Staphylococcus spp. and Streptococcus spp. are Susceptible $\leq 2 \, \text{mg/L}$ and Resistant $> 2 \, \text{mg/L}$; for Enterococcus spp. are Susceptible $\leq 4 \, \text{mg/L}$ and Resistant $> 4 \, \text{mg/L}$; and for non-species related are Susceptible $\leq 2 \, \text{mg/L}$. and Resistant $> 4 \, \text{mg/L}$.

Susceptibility
The prevalence of acquired resistance may vary geographically and with time for selected species and local information on resistance is desirable, particularly when treating severe infections. As necessary, expert advice should be sought when the local prevalence of resistance is such that the utility of the agent is at least some types of infections is questionable. Vancomycin has a narrow spectrum of action.

Commonly susceptible species

orynebacterium spp

erococcus spp Species for which acquired resistance may be a problem

Inherently resistant organisms

Gram-negative bacteria, mycobacteria, fungi PHARMACOKINETICS

 Following intravenous administration, vancomycin is distributed to almost all tissues and diffuses in pleural, pericardial, ascitic and synovial fluid as well as in the cardiac muscle and in heart valves. Comparable pleural, pericardial, ascitic and synovial fluid as well as in the cardiac muscle and in heart valves. Comparable high concentrations are achieved as in blood plasma. Data about the vancomycin concentrations in bone (spongiosa, compacta) vary widely. The apparent distribution volume in steady state is stated to be 0.43 (up to 0.91). I/kg. In non-inflamed meninges vancomycin passes the blood-brain barrier only to a low extent. Vancomycin is bound to plasma proteins at 30 to 55 % and even higher.

• Vancomycin is metabolized only to a low extent. After parenteral administration it is excreted almost completely as microbiologically active substance (approx. 75-90% within 24 hours) through glomerular filtration via the kidneys. Biliary excretion is insignificant (less than 5% of a dose). In patients with normal renal function the half-life in serum is about 4-6 (5-11) hours, in children 2.2-3 hours. In impaired renal function, the half-life of vancomycin may be considerably prolonged (up to 7.5 days). Due to ottowicity of vancomycin therap-adjuvant monitoring of the lasma concentrations is indicated in such cases.

ototoxicity of vancomycin therapy-adjuvant monitoring of the plasma concentrations is indicated in such cases. Mean plasma concentrations after i.v. infusion of $1000 \, \text{mg}$ vancomycin over $60 \, \text{minutes}$ were about $63 \, \text{mg/L}$ at the end of the infusion, about $23 \, \text{mg/L}$ after $2 \, \text{hours}$ and about $8 \, \text{mg/L}$ after $11 \, \text{hours}$.

The clearance of vancomycin from plasma correlates nearly with the glomerular filtration rate. The total systemic and renal clearance of vancomycin can be reduced in elderly patients

The total systemic and relative characteristic and the rective of relative particulars.

As studies in an ephric patients showed, the metabolic clearance seems to be very low.

No vancomycin metabolites have been identified so far in humans.

If vancomycin is given during a peritoneal dialysis via the intraperitoneal route, approx. 60% reaches the systemic circulation during 6 hours. After i.p. administration of 30 mg/kg BW, serum levels of approx. 10 mg/l are achieved. In case of oral use, high-polar vancomycin is virtually not absorbed. It appears after oral administration in active form in the stool, and is therefore a suitable chemotherapeutic for pseudomembranous colitis and

staphylococcal colitis. omycin diffuses readily across the placenta and is distributed into cord blood

OVERDOSE

Toxicity due to overdose has been reported. 500 mg IV to a child, 2 year of age, resulted in lethal intoxication.

Administration of a total of 56 g during 10 days to an adult resulted in renal insufficiency. In certain high-risk

reductions (e.g., e.g. in case of severe renal impairment) high serum levels and oto- and nephrotoxic effects can occur. Measures in case of overdose · A specific antidote is not known.

 Symptomatic treatment while maintaining renal function is required.
 Vancomycin is poorly removed from the blood by haemodialysis or peritoneal dialysis. Haemofiltration or haemoperfusion with polysulfone resins have been used to reduce serum concentrations of vancomycin.

INCOMPATIBILITIES Vancomycin solutions have a low pH value. This may lead to chemical or physical instability if mixed with other substances. Therefore, each parenteral solution should be checked visually for precipitations and discolouration prior to use.

This medicinal product must not be mixed with other medicinal products except those mentioned in section DOSAGE AND ADMINISTRATION.

Combination therapy

In case of combination therapy of vancomycin with other antibiotics/chemotherapeutics, the preparations should be administered separately.

Mixtures of solutions of vancomycin and beta-lactam antibiotics have been shown to be physically incompatible. The likelihood of precipitation increases with higher concentrations of vancomycin. It is recommended to adequately flush the intravenous lines between administration of these antibiotics. It is also recommended to dilute solutions of vancomycin to 5 mg/mL or less.

PRECLINICAL SAFETY DATA

Non-clinical data reveal no special hazard for humans based on conventional studies of safety pharmacology and repeated dose toxicity.

Limited data on mutagenic effects show negative results, long-term studies in animals regarding a carcinogenic potential are not available. In teratogenicity studies, where rats and rabbits received doses approximately corresponding to the human dose based on body surface (mg/m²), no direct or indirect teratogenic effects

Animal studies of the use during the perinatal/postnatal period and regarding effects on fertility are not available.

STORAGE CONDITIONS Store at or below 30°C, protected from light.

After reconstitution, the concentrated solution is physically stable in a refrigerator (2°C - 8°C) for 96 hours. SHELF LIFE

After reconstitution, the concentrated solution can be stored in a refrigerator (2°C - 8°C) for 96 hours. MANUFACTURED AND PACKAGED BY:

BCWorld Pharm. Co., Ltd.

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V5BSG-211203-T00