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Fusetic

Solution for injection



Composition:
Each ml contains
Furosemide 10 mg

List of Excipients:
Sodium chloride, hydrochloric acid 10%, sodium hydroxide, water for injection.

Product Description:
A clear and colorless solution. It is free from foreign particles. It is packed in a type I amber glass ampoule.

Pharmacodynamics:
ATC code: C03CA01
Furosemide is a potent diuretic with a rapid action. It inhibits sodium and chloride absorption in the ascending limb of Henle's loop and in both the proximal and distal tubules. The high degree of efficacy is due to this unique site of action. The action on the distal tubule is independent of any inhibitory effect on carbonic anhydrase or aldosterone.
Furosemide may promote diuresis in cases which have previously proved resistant to other diuretics.
Furosemide has no significant pharmacological effects other than on renal function.

Pharmacokinetics
Absorption
Furosemide is rapidly absorbed from the gastrointestinal tract. Absorption rates in healthy patients have been reported from 60–89% and from 43–46% in patients with end stage renal failure.
The onset of diuresis following intravenous administration is within 5 minutes and somewhat later after intramuscular administration. The peak effect occurs within the first half hour. The duration of diuretic effect is approximately 2 hours.

Distribution
Furosemide is extensively bound to plasma proteins, mainly to albumin. Plasma concentrations ranging from 1–400 mcg/ml are 91–99% bound in healthy individuals. The unbound fraction averages 2.3–4.1% at therapeutic concentrations.

Metabolism
Recent evidence suggests that furosemide glucuronide is the only, or at least the major, biotransformation product of furosemide in man.

Excretion
In patients with normal renal function, approximately 80% of an intravenous or intramuscular dose is excreted in the urine within 24 hours. Urinary excretion is accomplished both by glomerular filtration and proximal tubular secretion, which accounts for roughly 66% of the ingested dose, the remainder being excreted in the feces. A small fraction is metabolized by cleavage of the side chain.
Significantly more furosemide is excreted in urine following the IV injection than after oral administration.
Furosemide has a biphasic half-life in the plasma with $t_{1/2}$ ranging up to 100 minutes; $t_{1/2}$ is prolonged by renal and hepatic insufficiency and in newborn infants.

Indications:
- Edema due to cardiac and hepatic diseases (ascites).
- Edema due to renal diseases (in the nephrotic syndrome, therapy of the underlying diseases has precedence).
- Acute cardiac insufficiency, especially in pulmonary edema (administration in conjunction with other therapeutic measures).
- Reduced urinary output due to gestoses (pregnancy-related nephrosis), after restoring the fluid volume to normal.
- Supportive measures in brain edema.
- Edema due to burns.
- Hypertensive crisis (in addition to other antihypertensive measures).
- To support forced diuresis in poisoning.

Recommended Dosage:
Adults
Parenteral therapy with furosemide solution for injection should be used only in patients unable to take oral medication or in emergency situations and should be replaced with oral therapy as soon as practical.

Edema:
The usual initial dose of furosemide solution for injection is 20 to 40 mg given as a single dose, injected intramuscularly or intravenously. The intravenous dose should be given slowly (see **Warnings and Precautions**).
Ordinarily a prompt diuresis ensues. If needed, another dose may be administered in the same manner 2 hours later, or the dose may be increased. The dose may be raised by 20 mg, and given not sooner than 2 hours after the previous dose, until the desired diuretic effect has been obtained. This individually determined single dose should then be given once or twice daily.
Therapy should be individualized according to patient response to gain maximal therapeutic response and to determine the minimal dose needed to maintain that response. Close medical supervision is necessary. If the physician elects to use high dose parenteral therapy, add the furosemide solution for injection to either 0.9% sodium chloride, 5% dextrose, or Ringer lactate infusion solution, and administer as a controlled intravenous infusion at a rate not greater than 4 mg/minute. Furosemide solution for injection is a buffered alkaline solution.

Acute pulmonary edema:
The usual initial dose of furosemide solution for injection is 40 mg injected slowly intravenously (see **Warnings and Precautions**). If a satisfactory response does not occur, a further dose of 20–40 mg is injected after 20 minutes. If necessary, additional therapy (e.g. digitalis, oxygen) may be administered concomitantly.

Infants and children
Parenteral therapy should be used only in patients unable to take oral medication or in emergency situations, and should be replaced with oral therapy as soon as practical.
The recommended dose of furosemide solution for injection (intravenously or intramuscularly) in infants and children is 1 mg/kg body weight and should be given slowly under close medical supervision up to a maximum of 20 mg.

Route of Administrations:
Intravenous, intramuscular.

Contraindications:
- Known hypersensitivity to furosemide or sulfonamides or any of the inactive ingredients.
- Patients allergic to sulfonamides (e.g. sulfonamide antibiotics or sulfonylureas) may show cross-sensitivity to furosemide.
- Renal failure with oligoanuria not responding to furosemide. Renal failure as a result of poisoning by nephrotoxic or hepatotoxic agents.
- If increasing azotemia and oliguria occur during treatment of severe progressive renal disease, discontinue furosemide.
- Severe hypokalemia, hyponatremia, hypovolemia, or hypotension must be regarded as contraindications until serum electrolytes, fluid balance, and blood pressure have been restored to normal levels.

- In hepatic coma or precoma, and conditions producing electrolyte depletion, furosemide therapy should not be instituted until the underlying conditions have been corrected or ameliorated.
- Do not administer furosemide to newborns presenting jaundice or to infants with conditions which might induce hyperbilirubinemia or kernicterus (e.g. Rhesus incompatibility, familial nonhemolytic jaundice etc.) because of furosemide's potential to displace bilirubin from albumin.
- Furosemide 250 mg injection must not be used as a bolus injection. It must only be infused using volume or rate controlled infusion pumps to reduce the risk of accidental overdose.

Warnings and Precautions:
- Excessive diuresis may result in dehydration and reduction in blood volume with circulatory collapse and with the possibility of vascular thrombosis and embolism, particularly in elderly patients.
- Excessive loss of potassium in patients receiving cardiac glycosides may precipitate digitalis toxicity.
- In patients with hepatic cirrhosis and ascites, initiation of therapy with furosemide solution for injection is best carried out in hospital. Sudden alterations of fluid and electrolyte balance in patients with cirrhosis may precipitate hepatic coma, therefore, strict observation is necessary during the period of diuresis.
- Cases of reversible or irreversible tinnitus or hearing impairment have been reported. Usually, reports indicate that furosemide ototoxicity is associated with rapid injection or infusion, severe renal impairment, hypoproteinaemia, doses exceeding several times the usual recommended dose, or concomitant therapy with aminoglycoside antibiotics, ethacrynic acid, or other ototoxic drugs. In patients with hypoproteinaemia, e.g. associated with nephrotic syndrome, the effect of furosemide may be weakened and its ototoxicity potentiated. Cautious dose titration is required. If the physician elects to use high dose parenteral therapy, controlled intravenous infusion is advisable (for adults with normal renal function, an infusion rate not exceeding 4 mg furosemide per minute must be used; for adults with impaired renal function [creatinine >5 mg/dl], an infusion rate of no greater than 2.5 mg per minute must be used).
- Caution should be exercised when administering curare or its derivatives to patients undergoing furosemide therapy. It is also advisable to discontinue furosemide for one week prior to any elective surgery.
- Rigid sodium restriction is conducive to both hyponatremia and hypokalemia, thus strict restriction of sodium intake is not advisable in patients receiving furosemide.
- Furosemide should be used, especially in the initial stages, in patients with impairment of micturition (e.g. prostatic hypertrophy). Urinary outflow must be secured. In patients with a partial obstruction of urinate outflow (e.g. in patients with bladder emptying disorders, prostatic hyperplasia, or narrowing of the urethra), increased production of urine may provoke or aggravate complaints. These patients require careful monitoring.
- Careful monitoring is required in patients with gout, with partial obstruction of urinary outflow, in patients at risk from hypotension (e.g. patients with coronary artery stenosis), in patients with latent or manifest diabetes mellitus, in patients with hepatorenal syndrome or in patients with hypoproteinaemia (e.g. associated with nephrotic syndrome). Dose titration, especially in this latter case, is required. In premature infants, there is the possible development of nephrocalcinosis/nephrolithiasis and therefore renal function must be monitored and renal ultrasonography performed. In premature infants furosemide administered during the first weeks of life may increase the risk of persistence of Botallo's duct.
- As with any effective diuretic, electrolyte depletion may occur during therapy, especially in patients receiving higher doses and a restricted salt intake. All patients receiving furosemide therapy should be observed for signs of fluid or electrolyte imbalance; namely hyponatremia, hypochloremia alkalosis, and hypokalemia. Periodic determinations of serum electrolytes to detect a possible imbalance should be performed at appropriate intervals, as well as creatinine, blood urea and CO_2 content determinations. This is particularly important when the patient is vomiting excessively or receiving parenteral fluids. Warning signs of an imbalance, irrespective of cause include dryness of mouth, thirst, weakness, lethargy, drowsiness, restlessness, muscle pains or cramps, muscular fatigue, hypotension, oliguria, tachycardia, arrhythmia, and gastrointestinal disturbances such as nausea and vomiting. Hypovolemia or dehydration as well as any significant electrolyte and acid-base disturbances must be corrected. This may require temporary discontinuation of furosemide.
- During long-term therapy, a high potassium diet is recommended. Potassium supplements may be required, especially when high doses are used for prolonged periods. Particular caution with potassium is necessary when the patient is on digitalis glycosides, potassium depleting steroids or in the case of infants and children. Potassium supplementation, diminution in dose, or discontinuation of furosemide therapy may be required.
- Periodic checks on urine and blood glucose should be made in diabetics and even those suspected of latent diabetes when receiving furosemide. Increases in blood glucose and alterations in glucose tolerance tests with abnormalities of the fasting and 2-hour postprandial sugar have been observed, and rare cases of precipitation of diabetes mellitus have been reported.
- Furosemide may lower calcium levels, and rare cases of tetany have been reported. Accordingly, periodic serum calcium levels should be obtained.
- In children, urge to defecate, complaints of abdominal pain and cramping have been reported after IV furosemide. An association of these symptoms with a low serum calcium and/or a low calcium/protein ratio is possible.
- Reversible elevations of blood urea may be seen. These have been observed in association with dehydration, which should be avoided, particularly in patients with renal insufficiency. Furosemide increases cholesterol and triglycerides short-term. It is not clear whether this effect persists long-term, however, the current evidence does not indicate this.
- As with many other drugs, patients should be observed regularly for the possible occurrence of blood dyscrasias, liver damage, or other idiosyncratic reactions.
- Renal calcifications (from barely visible on X-ray to staghorn) have occurred in some severely premature infants treated with intravenous furosemide for edema due to patent ductus arteriosus and hyaline membrane disease. The concurrent use of chlorothiazides has been reported to decrease hypercalciuria and to dissolve some calculi.
- The possibility exists of exacerbation or activation of systemic lupus erythematosus. Asymptomatic hyperuricemia can occur and rarely, gout may be precipitated.
- When furosemide is administered parenterally, a maximum injection rate of 4 mg/minute should be used to minimize the risk of ototoxicity.
- Intramuscular administration of furosemide must be limited to exceptional cases where neither oral nor intravenous administrations are feasible. Intramuscular administration is not suitable for acute conditions such as pulmonary edema.
- Concomitant use with risperidone.
Caution should be exercised and the risks and benefits of this combination or cotreatment with other potent diuretics should be considered prior to the decision to use. There was no increased incidence of mortality among patients taking other diuretics as concomitant treatment with risperidone.
In risperidone placebo-controlled trials in elderly patients with dementia, a higher incidence of mortality was observed in patients treated with furosemide plus risperidone (7.3%; mean age 89 years, range 75–97 years) when compared to patients treated with risperidone alone (3.1%; mean age 84 years, range 70–96 years) or furosemide alone (4.1%; mean age 80 years, range 67–90 years). Irrespective of treatment, dehydration was an overall risk factor for mortality and should therefore be avoided in elderly patients with dementia (see **Contraindications**).

Interactions with Other Medicines and Other Forms of Interaction:
Combinations that are not recommended
- Furosemide may increase the ototoxic and nephrotoxic potential of certain antibiotics (e.g. aminoglycosides) and certain cephalosporins (e.g. cephaloridine), especially in the presence of impaired renal function, therefore the simultaneous administration of these drugs is not advisable.
- Antihypertensives may decrease the response to furosemide. In isolated cases intravenous administration of furosemide within 24 hours of taking chloral hydrate may lead to flushing, sweating attacks, restlessness, nausea, tachycardia, and elevation of blood pressure. As a result, this combination is not recommended.

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<p>240 mm</p> <p>15 mm</p> <p>1.5 mm 9 mm 1.5 mm</p>	<p>Precautions for use</p> <ul style="list-style-type: none">- Furosemide should not be used concomitantly with ethacrynic acid or cisplatin because of the possibility of ototoxicity. In addition, nephrotoxicity of cisplatin may be enhanced if furosemide is not given in low doses (e.g. 40 mg in patients with normal renal function) and with positive fluid balance when used to achieve forced diuresis during cisplatin treatment.- Furosemide decreases the excretion of lithium salts and may cause increased serum lithium levels resulting in increased risk of lithium toxicity, including increased risk of cardiotoxic and neurotoxic effects of lithium. It is recommended that lithium levels are carefully monitored in patients receiving this combination.- Administration of furosemide and sucralfate within two hours of each other should be avoided, as sucralfate reduces the absorption of furosemide and hence, reduces its effect.- The action of other antihypertensive drugs may be potentiated by furosemide, especially in combination with ACE inhibitors. The administration of ACE inhibitors to patients pretreated with furosemide may lead to a deterioration in renal function or may result in severe hypotension especially when an ACE inhibitor or angiotensin II receptor antagonist is given for the first time or for the first time in an increased dose. Consideration must be given to interrupting the administration of furosemide temporarily or at least reducing the dose of furosemide for 3 days before starting treatment with an ACE inhibitor or increasing the dose of the ACE inhibitor or angiotensin II receptor antagonist. <p>To be considered</p> <ul style="list-style-type: none">- The effects of digitalis preparations and drugs inducing QT interval prolongation syndrome may be potentiated by changes in electrolyte concentrations e.g. hypokalemia, hypomagnesemia due to furosemide. When a cardiac glycoside is administered concurrently, it should be remembered that potassium or magnesium deficiency increases the sensitivity of the myocardium to digitalis and may increase the toxicity of drugs which induce QT interval prolongation syndrome. When a glucocorticoid is administered during diuretic treatment, the potassium-lowering effect of the steroid should be borne in mind. Carbenoxolone, corticosteroids, prolonged use of laxatives or ingestion of liquorice in large amounts may also predispose a patient to hypokalemia.- Patients receiving high doses of salicylates, as in rheumatic disease, in conjunction with furosemide may experience salicylate toxicity at lower doses because of competitive renal excretory sites.- Interactions between furosemide and neuromuscular blocking agents have been reported. These appear to be dependent on the dose of furosemide and the neuromuscular blocking agent involved. Low doses of furosemide (0.1–10 mcg/kg) enhance the neuromuscular blockade of tubocurarine and succinylcholine. High doses (1–5 mg/kg) of furosemide have a tendency to antagonize the skeletal muscle-relaxing effect of tubocurarine but may potentiate the action of succinylcholine. The clinical relevance of these findings is uncertain.- The combination of furosemide and amphotericin may result in an excessive loss of potassium.- Furosemide may decrease arterial responsiveness to noradrenaline. This diminution is not sufficient to preclude effectiveness of the pressor agent for therapeutic use.- If antihypertensive agents, diuretics or other drugs with blood pressure lowering potential are given concomitantly with furosemide, a more pronounced fall in blood pressure must be anticipated.- Nonsteroidal anti-inflammatory drugs including acetylsalicylic acid may reduce the natriuretic and antihypertensive effects of furosemide in some patients by inhibiting prostaglandin synthesis. In patients with dehydration or preexisting hypovolemia, nonsteroidal anti-inflammatory drugs may cause renal failure. Salicylate toxicity may be increased by furosemide.- Phenylton or drugs which undergo significant renal tubular secretion such as methotrexate and probenecid, may attenuate the effects of furosemide. Conversely furosemide may decrease renal elimination of these drugs. In the case of high dose treatment (in particular of both furosemide and the other drugs), this may lead to an increased risk of adverse effects due to furosemide or the concomitant medication.- IV furosemide was shown to increase the steady state concentration of theophylline by 20% in a small number of asthmatic patients; hence it is appropriate to measure serum theophylline levels when both drugs are given together.- The effects of curare-type muscle relaxants or of theophylline may be increased.- It should be borne in mind that the effect of antidiabetics or of pressor amines (e.g. adrenaline, noradrenaline) may be attenuated by furosemide.- Impairment of renal function may develop in patients receiving concurrent treatment with furosemide and high doses of certain cephalosporins. The harmful effects of nephrotoxic drugs on the kidney may be increased.- Concomitant use of ciclosporin A and furosemide is associated with increased risk of gouty arthritis secondary to furosemide-induced hyperuricemia and ciclosporin impairment of renal urate excretion.- Patients who were at high risk for radiocontrast nephropathy treated with furosemide experienced a higher incidence of deterioration in renal function after receiving radiocontrast compared to high risk patient who received only intravenous hydration prior to receiving radiocontrast. <p>Use during Pregnancy and Lactation:</p> <p>Pregnancy</p> <p>Furosemide must not be given during pregnancy unless there are compelling medical reasons. Treatment during pregnancy requires monitoring of fetal growth. Thiazides, related diuretics and loop diuretics enter the fetal circulation and may cause electrolyte disturbances. Neonatal thrombocytopenia has been reported with thiazides and related diuretics. Loop diuretics, like furosemide and bumetanide, are probably also associated with this risk.</p> <p>Lactation</p> <p>Furosemide passes into the breast milk and inhibits lactation. Women must not breastfeed if being treated with furosemide.</p> <p>Effects on Ability to Drive and Use Machines:</p> <p>Some adverse effects (e.g. an undesirable pronounced fall in blood pressure) may impair the patient's ability to concentrate and react and therefore constitute a risk in situations where these abilities are of special importance (e.g. operating a vehicle or machinery).</p> <p>Adverse Effects:</p> <p>As with other diuretics, electrolytes and water balance may be disturbed during therapy with furosemide, especially in patients receiving high doses for a prolonged period.</p> <p>Excessive diuresis may give rise, especially in elderly patients and children, to circulatory disturbances such as headache, dizziness, dry mouth, or visual impairment, as symptoms of hypovolemia. In extreme cases, hypovolemia and dehydration may lead to hypotension, circulatory collapse and, in elderly patients in particular, thrombophilia. However, with individualized dosage, acute hemodynamic reactions are generally not to be expected, although diuresis sets in rapidly.</p> <p>All saluretics may cause hypokalemia, mainly in cases of low potassium diet, vomiting, or chronic diarrhea.</p> <p>Factors such as underlying diseases (liver cirrhosis, cardiac failure), concomitant medication, or nutritional inadequacies (excessive restriction of salt intake), may lead to sodium or other electrolyte or fluid deficiencies which may produce a fall in orthostatic blood pressure, calf muscle spasms, anorexia, weakness, dizziness, drowsiness, apathy, vomiting, and confusion.</p> <p>Furosemide may lower the serum calcium level which may trigger a state of increased neuromuscular irritability. In very rare cases, tetany has been observed. In premature infants, calcium salts may be deposited in the renal tissue (nephrocalcinosis).</p> <p>Hypomagnesemia and, in rare cases, tetany or cardiac arrhythmias have been observed as a consequence of increased renal magnesium loss.</p>	<p>Treatment with furosemide may lead to transitory increases in blood creatinine and urea levels. Serum levels of uric acid may increase and attacks of gout may occur.</p> <p>Preexisting metabolic alkalosis (e.g. due to decompensated liver cirrhosis) may be aggravated during furosemide treatment.</p> <p>Hepatic system</p> <p>In isolated cases, acute pancreatitis and increases in liver transaminases have been observed. Additionally, intrahepatic cholestasis and jaundice have been reported. Furosemide may increase the bile flow and distend the biliary tree which is already obstructed.</p> <p>Central nervous system</p> <p>Reactions such as dizziness, vertigo, paresthesia, headache, and blurred vision occasionally accompany furosemide-induced diuresis. Reversible hearing impairment and tinnitus and rarely permanent tinnitus and impairment of hearing have been observed, especially in patients with markedly reduced renal function or hypoproteinemia (e.g. in nephrotic syndrome). This occurs particularly when the recommended rate of injection or infusion of 4 mg per minute (normal renal function) or 2.5 mg per minute (impaired renal function) is exceeded, or in patients who are also receiving drugs known to be ototoxic.</p> <p>Dermatologic</p> <p>Allergic reactions may occur in the form of dermatitis, including rash, urticarial and rare cases of exfoliative dermatitis, necrotizing angitis, bullous eruptions, erythema multiforme and purpura, and pruritus. Photosensitivity reactions have been reported.</p> <p>Hematologic</p> <p>The following rare adverse reactions have been reported: eosinophilia, thrombophlebitis, hemolytic or aplastic anemia, leukopenia, thrombocytopenia, and agranulocytosis. Vascuclitis may also occur.</p> <p>Urinary system</p> <p>Excessive diuresis and dehydration could cause transient elevation of creatinine and BUN, and reduction of GFR. In elderly men with prostatic hypertrophy, acute urinary retention with overflow incontinence may occur. Symptoms of existing conditions of obstructed micturition, such as ureterostenosis or hydronephrosis, may be triggered or aggravated by pronounced diuresis. Interstitial nephritis has also been reported with furosemide use.</p> <p>Cardiovascular</p> <p>Orthostatic hypotension may occur and may be aggravated by alcohol, narcotics, and barbiturates. Ischemic complications have also been reported in elderly patients.</p> <p>Other</p> <p>Restlessness, hyperuricemia, fever, a rise in serum cholesterol and triglyceride, in patients with hepatocellular insufficiency, hepatic encephalopathy may occur.</p> <p>Treatment with furosemide has occasionally caused reduced glucose tolerance and deterioration in cases of manifest diabetes, or made latent diabetes manifest. Rarely, fever or paresthesia and occasionally photosensitivity may occur. In premature infants, furosemide may precipitate nephrocalcinosis/nephrolithiasis. If furosemide is administered to premature infants during the first weeks of life, it may increase the risk of persistence of patent ductus arteriosus.</p> <p>Following intramuscular injection, local reactions such as pain may occur. Due to the possibility of adverse effects such as hypotension, patients' ability to drive or operate machinery may be impaired, especially at the commencement of therapy.</p> <p>Anaphylactic shock is rare, but is acutely life-threatening if it does occur. Whenever adverse reactions are moderate or severe, furosemide dose should be reduced or therapy withdrawn.</p> <p>Overdose and Treatment:</p> <p>The clinical picture in acute or chronic overdose depends primarily on the extent and consequences of electrolyte and fluid loss; e.g. dehydration, blood volume reduction, hypotension, electrolyte imbalance, cardiac arrhythmias (including AV block and ventricular fibrillation), hypokalemia and hypochloremia alkalosis, and extensions of its diuretic action. Symptoms of these disturbances include severe hypotension (progressing to shock), acute renal failure, thrombosis, delirious states, flaccid paralysis, apathy, and confusion. The acute toxicity of furosemide has been determined in mice, rats, and dogs. In all three, the oral LD₅₀ exceeded 1,000 mg/kg body weight, while the intravenous LD₅₀ ranged from 300 to 680 mg/kg. The acute intragastric toxicity in neonatal rats is 7 to 10 times that of adult rats. The concentration of furosemide in biological fluids associated with toxicity or death is not known. No specific antidote to furosemide is known. If ingestion has only just taken place, attempts may be made to limit further systemic absorption of the active ingredient by measures such as activated charcoal.</p> <p>Treatment of overdose is supportive and consists of replacement of excessive fluid and electrolyte losses. Serum electrolytes, carbon dioxide level and blood pressure should be determined frequently.</p> <p>Adequate drainage must be assured in patients with urinary bladder outlet obstruction (such as prostatic hypertrophy). Hemodialysis does not accelerate furosemide elimination.</p> <p>Incompatibilities:</p> <p>Furosemide may precipitate out of solution in fluids of low pH.</p> <p>Instructions for Use and Handling and Disposal:</p> <p>Furosemide solution for injection should be inspected visually for particulate matter and discoloration before administration. Do not use if solution is discolored.</p> <p>Furosemide solution for injection is for single use in one patient only. Discard any residue.</p> <p>Furosemide solution for injection 20 mg/2 ml is physically and chemically stable in 0.9% sodium chloride, 5% dextrose, and Ringer lactate infusion solution for up to 24 hours store at 30±2°C/75±5% RH.</p> <p>Shelf Life After Reconstitution:</p> <p>Although the chemical stability of diluted furosemide solution for injection has been demonstrated for storage at 30°C for 24 hours, the diluted solution should be used as soon as practicable to reduce risk of microbiological hazard.</p> <p>Presentation and Registration Number:</p> <p>Box, 25 ampoules x 2 ml, SINXXXXX</p> <p>ON MEDICAL PRESCRIPTION ONLY.</p> <p>STORE AT TEMPERATURES BELOW 30°C, PROTECT FROM LIGHT.</p> <p>Manufactured by PT Ferron Par Pharmaceuticals Kawasan Industri Jababeka I Jl. Jababeka VI Blok J3, Cikarang Kabupaten Bekasi-Indonesia</p> <p>For PT Dexa Medica Jl. Jend. Bambang Utuyo No. 138 Palembang-Indonesia</p> <p>Date of review: 13 May 2022</p>
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