

PATIENT INFORMATION LEAFLET

PF İZOLEN-P 5% DEXTROSE ELECTROLYTE SOLUTION IV INFUSION Used intravenously

Active ingredients: Each 50 ml of solution contains 5 g glucose (dextrose), 2,6 g sodium lactate, 1,3 g potassium chloride, 0.31 g magnesium chloride hexahydrate and 0,26 g dibasic potassium phosphate

Excipients: Sodium bisulfate and sterile water for injection

Please read this PATIENT INFORMATION LEAFLET carefully before starting to use the drug; because important information is included here.

- *Keep this PATIENT INFORMATION LEAFLET. You may need to re-read it later.*
- *In case you have additional questions, please consult your doctor or pharmacist.*
- *This drug is prescribed personally for you, do not give to others.*
- *During the use of this drug, please tell your doctor that you are using this drug when you visit your doctor or a hospital.*
- *Please follow these instructions strictly. Do not use dosages **higher or lower** than the dosage recommended to you.*

The following topics are included in these patient information leaflet:

- 1. What is PF İZOLEN P and what is it used for?***
- 2. Before you are given PF İZOLEN P***
- 3. How you will be given PF İZOLEN P?***
- 4. Possible side effects***
- 5. How to store PF İZOLEN P***

1. What is PF İZOLEN P and what is it used for?

PF İZOLEN P is a solution used **intravenously** to treat or prevent the condition of water and salt deficiency (dehydration) in the body.

It is helpful in the replacement of water lost in the body and some substances called electrolytes and also provide some calories.

PF İZOLEN-P is available in glass bottles with volumes 500 and 1000-ml. It has two forms with or without sets.

PF İZOLEN-P is a solution that contains elements (building blocks) that are necessary for the body. Its glucose (sugar) content provides some calories.

It is a solution used intravenously.

PF İZOLEN-P is preferred to prevent and treat in the replacement of daily fluid-electrolyte balance in infants and small children, in the replacement of fluid and other loss in children with sudden onset diarrhea and excessive fluid loss in adults or some cases connecting to diabetes.

PF İZOLEN-P is also used for dilution before the intravenous administration of some drugs that is available in the form of concentration.

2. Before you are given PF İZOLEN –P

PF İZOLEN - P is a safe drug in many patients. However, if you have problems in your heart, kidneys, liver or lungs, if you are diabetic or if you have swelling (edema) in your body related to excessive salt accumulation in your body, your doctor can decide not to administer this drug to you.

DO NOT USE PF İZOLEN –P under following conditions:

In case you have had allergic reaction when you took drugs containing the same active substances or inactive ingredients with PF İZOLEN-P, that is, if you have experienced sudden stopping of breath, wheezing, skin rashes, itching or swelling in your body, DO NOT USE this drug. Consult your doctor if you are not sure you are allergic.

The solution must not be used under the following conditions:

- * Patients urinating too little amounts or none at all (anuria, severe oliguria); renal failure.
- *A group of symptoms seen with the crushing of the muscle mass in the body in wars, accidents, slides in mines, industrial and traffic accidents (Crush syndrome).
- *Destruction of red blood cells in circulation (severe hemolysis).
- *Adrenal gland failure.
- *Conditions that the parathormone levels are low in blood (hypoparathyroidism).
- *Some cardiac diseases (cardiac block).
- *Shift of normal pH of blood to the basic side (alkalosis).
- *Hypersensitivity against sulfites and products with corn origin.

Use PF İZOLEN-P CAREFULLY under following conditions:

If you have any of the following diseases:

- *Cardiac diseases (particularly if accompanied by a renal disease);
- *If the circulating blood volume has increased (hypervolemia);
- *If there is the possibility of cardiac failure, or if you have overt cardiac failure (particularly if you are in postoperative period or elderly);
- *If your blood pressure is high;
- *Accumulation of fluid in your body, extremities or lungs (edema);
- *If your kidney functions are impaired, or if you have urinary obstruction because of stones or similar reasons in your kidneys or urinary tract;
- *Conditions that increase predisposition for over-accumulation of potassium including acute dehydration with sudden onset, some renal diseases and serious burns;
- *Conditions that increase susceptibility to the rise of potassium in body.
- *If you have diabetes, if you have covert diabetes or intolerance against carbohydrates with any reason;

*If pH of your blood has shifted to the basic side in relation with the anabolic/katabolic events or respiratory diseases (metabolic or respiratory alkalosis);

*If you have liver failure; in such cases, your doctor will pay extra attention when administering PF ÍZOLEN-P to you.

If you are currently under treatment with cardiac drugs in the digitalis group, your treatment will be continued with frequent electrocardiograms.

In addition, if you have excessive electrolyte loss with some reasons, your doctor will wish to administer electrolytes to you in addition to this drug; s/he can also wish to add other minerals and vitamins to your treatment.

If this drug will be administered to you through an electronic pump, it must be ensured that the operation of the pump stops before complete emptying of the bottle.

Administration of this drug requires changing of the pipes (sets) every 24 hours.

Furthermore, this drug must be used only if the bottle is intact and the contained solution is clear.

Use of PF ÍZOLEN-P together with foods and drinks

PF ÍZOLEN-P is a drug administered intravenously; and it does not interact with foods and drinks in relation with the route of its administration.

Pregnancy

Consult your doctor or pharmacist before using this drug.

Do not use PF ÍZOLEN-P during pregnancy unless specifically recommended by your doctor.

In case you become aware that you are pregnant during treatment, immediately consult your doctor or pharmacist.

Lactation

Consult your doctor or pharmacist before using this drug.

If you are breastfeeding your baby, inform your doctor about this. Do not use PF ÍZOLEN-P during lactation unless specifically recommended by your doctor.

Driving and use of machines

PF ÍZOLEN-P has no effects on driving or using machines.

Important information about some ingredients of PF ÍZOLEN-P

No adverse effects are expected related to the inactive ingredients included in the contents of PF ÍZOLEN-P unless you are hypersensitive against such substances.

Since PF ÍZOLEN-P contains 0.021 g sodium bisulfate in each 100 ml as preservative, it can rarely cause severe hypersensitivity reactions or bronchospasm.

Taking other medicines

If you plan to take, currently taking or have taken recently any other drugs also including OTCs, vaccines or herbal drugs please inform your doctor.

PF İZOLEN-P is incompatible with some drugs. The drugs known to be incompatible must not be added to the solution, and other solutions must be preferred to dilute such drugs.

With the purpose of minimizing the potential incompatibility risk with any other drugs that might be added to the solution, the healthcare personnel will check if there is any turbidity or sedimentation right after mixing, just before administration and with certain intervals during administration.

Effects of the following drugs must be taken into consideration if to be used together with PF İZOLEN-P.

*Corticoids/steroid and carbenoxolone (related to the risk of retention of sodium and water in the body).

*Diuretics including amiloride, spironolactone or triamterene singly or in combination (because of the risk of sodium accumulation in the body).

*Anti-hypertensive drugs including angiotensin converting enzyme inhibitors and possible anjyotensin II receptor antagonists (because of the risk of sodium accumulation in the body).

*Immunosuppressants including tacrolimus and cyclosporine (because of the risk of sodium accumulation in the body).

*Acidic drugs such as salicylates (a group of drugs used as fever reducer), barbiturates (a drug used in tthe eclampsia case) and lithium (a drug used in psychiatric disorders) (Due to PF İZOLEN-P makes urine alkalizing, the excretion of the drugs increase and their effect reduces)

- Sympathomimetic drugs used in situations such as nasal obstruction (e.g. Ephedrine, pseudoephedrine), and alkaline drugs (dexamphetamine sulphate, such as fenfluramine hydrochloride) used as appetite suppressants or stimulants (stimulant) (PF İZOLEN-P makes urine alkalizing; the excretion of the drugs increase and their effect reduces).

If you are currently using any prescribed drug or OTC, or if you have used them recently, please inform your doctor or pharmacist about these.

3. How PF İZOLEN-P will be given?

Instructions for proper use and dosage/application intervals:

Your doctor will decide the amount of this drug that you need and the time of application. S/he will consider your age, body weight and the reason for the administration of this drug will also be considered. Follow these instructions unless otherwise is recommended by your doctor.

Do not forget to take your drug in a timely manner.

Your doctor will inform you about the period of your treatment with PF İZOLEN-P. Do not stop the treatment earlier, because if you do, you will not obtain the expected results.

Route and method of administration:

This drug is administered to your vein through a proper plastic pipe (set).

Use in the elderly:

Since decrease of the liver, renal and cardiac functions are more frequent in the elderly and the frequency of co-morbidities or using other drugs concomitantly is also higher, dose selection generally requires more attention by choosing the possible lowest limit of the dose range.

Since this drug is largely excreted through the kidneys, the risk of adverse effects of the drug will increase in cases where the renal functions are impaired. Since the decrease in renal functions is greater in the elderly, care must be given in the selection of dosage and renal functions must be monitored during treatment.

Conditions of special use:**Renal/hepatic impairment**

Since this drug is largely excreted through the kidneys, the risk of appearance of the harmful effects of the drug will increase in cases where renal functions are impaired.

In case you have the impression that the effect of PF ÍZOLEN-P is too strong or too weak, consult your doctor or pharmacist.

In case you had used PF ÍZOLEN-P in an amount more than you should:

Consult a doctor or a pharmacist if you had used PF ÍZOLEN-P in an amount more than you should.

In case you forget to take used PF ÍZOLEN-P:

Do not take double dosage to balance the skipped dosage.

Possible effects related to the termination of the treatment with used PF ÍZOLEN-P:

None

4. Possible side effects

Like all drugs, *PF ÍZOLEN-P* can cause adverse effects in individuals sensitive to the contents.

In case you encounter any of the following, stop using PF ÍZOLEN-P, and inform your doctor immediately or apply to the emergency room of the nearest hospital:

- Itchy redness/pustules or burning sensation at the administration site;
- Respiratory distress, wheezing, chest pain
- Feeling too hot or too cold in the body;
- Swelling in hands, feet, lips, face or in whole body;
- Vertigo, feeling of fainting;
- Palpitation.

All these are very serious adverse effects.

If any of the above is present in you, this will mean that you are seriously allergic against PF ÍZOLEN-P. Emergent medical intervention or hospitalization can be required.

In addition, it signs including fever or chills appear during the administration (febrile reaction), IMMEDIATELY inform your doctor; s/he can stop the treatment in this case and make emergent intervention.

All these very serious adverse effects are seen rather rarely.

Frequency of the following adverse effects are not known (they are seen in too small numbers of patients that the available data do not allow determination).

In case you encounter any of the following, and inform your doctor immediately or apply to the emergency room of the nearest hospital:

- Inflammation at the administration site, hardness, redness or swelling starting from the administration site and spreading along the vein.
- Fluid accumulation in your body or extremities (edema), difficulty of breathing, shortness of breath when lying down or climbing the stairs (congestive cardiac failure symptoms)
- Too slow or too rapid heartbeats than normal, feeling of compression in the chest, chest pain
- Numbness in your limbs, loss of reflexes, muscular or respiratory paralysis, somnolence, fatigue, hypotension, arrhythmia, electrocardiographic abnormalities (signs and symptoms of potassium intoxication).
- Frequent breathing, cyanosis

All these are very serious adverse effects. Emergent medical intervention might require.

Inform your doctor in case you become aware of the following:

- Nausea, vomiting
- Abdominal pain
- Diarrhea

These are mild side effects of PF ÍZOLEN-P.

In case you experience any adverse effect not mentioned in these instructions for use, immediately inform your doctor or pharmacist.

5. How to store PF ÍZOLEN-P

Keep PF ÍZOLEN-P in places out of the sight and reach of children and within its packaging. Keep at temperatures under 25°C.

It is for single use. Partially used bottles must not be kept, and must be discarded according to the medical waste procedures of the healthcare facility.

The expiry date is shown on the label of each bottle. This drug will not be administered to you if this date had expired.

Comply with the expiry date when using.

Do not use PF ÍZOLEN-P after the expiry date shown on the packaging.

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This patient information leaflet has been approved on 25/10/2013.

THE FOLLOWING INFORMATION IS FOR THE HEALTHCARE PERSONNEL WHO WILL ADMINISTER THIS DRUG

The solution must be checked before administration.

Administration must be made intravenously using sterile pyrogen sets.

Use only products clear, not containing particles and intact packaging.

Administration must be started within the shortest time possible after the application set is attached to the product.

To prevent any air embolism related to the residual air in the bottle, no serial connection must be established with other infusion fluids.

The solution must be administered through a sterile application set using the aseptic technique. Fluid must be passed through the application set before administration to prevent entry of air into the system.

Additional drugs can be mixed from the injection end with the help of a needle under aseptic conditions before or during the infusion. Is tonicity of the end product must be determined before the parenteral administration.

The added drug must be completely mixed before being administered to the patient. Solutions containing additional drugs must be used immediately after mixing, and must not be maintained to be used later.

Adding drugs to the solution or wrong application technique can cause fever reaction related to contamination of the drug with pyrogens. Infusion must be stopped immediately in case of any adverse effects.

It is for single use.

Any portion left must be discarded.

Partially used drugs must not be connected to systems applied to patients again.

Mixing additional drugs:

Caution: Like all the parenteral solutions, all the substances to be added to the product must be compatible with the product. If any drug will be added to the solution, compatibility in the final mixture must be checked before administration to the final mixture.

Addition of drugs before administration

1. The bottle stopper will be disinfected.
2. The drug to be added will be added into the bottle using an injector with a 19-22 gauge tip.
3. The solution with the added drug will be mixed thoroughly.

Caution: Bottles with added drugs must not be stored.

Adding drugs during administration

1. The clamp of the set will be closed.
2. The bottle stopper will be disinfected.
3. The drug to be added will be added into the bottle using an injector with a 19-22 gauge tip.

4. Solution is removed from the hanger and turned upside down.
5. In this position, mixing of the added drug and the solution will be ensured by tapping the bottle gently.
6. Restore the bottle, open the clamp and resume the administration.