

TRIPLIXAM[®] 5mg/1.25mg/5mg

TRIPLIXAM[®] 5mg/1.25mg/10mg

TRIPLIXAM[®] 10mg/2.5mg/5mg

TRIPLIXAM[®] 10mg/2.5mg/10mg

film-coated tablets

Perindopril arginine/indapamide/amlodipine

Read all of this leaflet carefully before you start taking this medicine because it contains important information for you.

- Keep this leaflet. You may need to read it again.
- If you have any further questions, ask your doctor or pharmacist.
- This medicine has been prescribed for you only. Do not pass it on to others. It may harm them, even if their signs of illness are the same as yours.
- If you get any side effects, talk to your doctor or pharmacist. This includes any possible side effects not listed in this leaflet. See section 4.

What is in this leaflet:

1. What Triplixam is and what it is used for
2. What you need to know before you take Triplixam
3. How to take Triplixam
4. Possible side effects
5. How to store Triplixam
6. Content of the pack and other information

1. What Triplixam is and what it is used for

Triplixam is a combination of three active ingredients: perindopril, indapamide and amlodipine. It is an anti-hypertensive medicine used in the treatment of high blood pressure (hypertension).

Patients already taking perindopril/indapamide as fixed dose combination and amlodipine from separate tablets may instead receive one tablet of Triplixam which contains the three active ingredients in the same strength.

Each of the active ingredients reduces blood pressure and they work together to control your blood pressure:

- Perindopril belongs to a class of medicines called Angiotensin Converting Enzyme (ACE) inhibitors. It works by widening the blood vessels, which makes it easier for your heart to pump blood through them.
- Indapamide is a diuretic (which belongs to a class of medicines called sulfonamide derivatives with an indole ring). Diuretics increase the amount of urine produced by the kidneys. However, indapamide is different from other diuretics, as it only causes a slight increase in the amount of urine produced.
- Amlodipine is a calcium channel blockers (which belongs to a class of medicines called dihydropyridines). It works by relaxing blood vessels, so blood passes through easily.

2. What you need to know before you take Triplixam

Do not take Triplixam

- if you are allergic to perindopril or other ACE-inhibitors, indapamide or other sulfonamides, amlodipine or other dihydropyridines, or any of the other ingredients of this medicine (listed in Section 6),
- if you have experienced symptoms such as wheezing, swelling of the face or tongue, intense itching or severe skin rashes with previous ACE inhibitor treatment or if you or a member of your family have had these symptoms in any other circumstances (a condition called angioedema),
- if you have severe liver disease or suffer from a condition called hepatic encephalopathy (disease of the brain caused by liver illness),
- if you are suspected of having untreated decompensated heart failure (severe water retention, difficulty in breathing),
- if you have narrowing of the aortic heart valve (aortic stenosis) or cardiogenic shock (a condition where your heart is unable to supply enough blood to the body),
- if you suffer from heart failure after a heart attack,
- if you have severe low blood pressure (hypotension),
- if you have low blood potassium,
- if you have severe kidney problems where the blood supply to your kidneys is reduced (renal artery stenosis),

- if you are receiving dialysis or any other type of blood filtration. Depending on the machine that is used, Triplixam may not be suitable for you,
- if you have moderate kidney problems (for Triplixam doses containing 10mg/2.5mg/5mg and 10mg/2.5mg/10mg),
- if you are more than 3 months pregnant (it is also better to avoid Triplixam in early pregnancy – see pregnancy section.),
- if you have diabetes or impaired kidney function and you are treated with a blood pressure lowering medicine containing aliskiren,
- if you have taken or are currently taking sacubitril/valsartan, a medicine for heart failure, as the risk of angioedema (rapid swelling under the skin in an area such as the throat) is increased (see “Warning and Precaution” and “Other medicines and Triplixam”).

Warnings and precautions

Talk to your doctor or pharmacist before taking Triplixam:

- if you have hypertrophic cardiomyopathy (heart muscle disease) or renal artery stenosis (narrowing of the artery supplying the kidney with blood),
- if you have heart failure or any other heart problems,
- if you have severe increase in blood pressure (hypertensive crisis),
- if you have liver problems,
- if you suffer from a collagen disease (skin disease) such as systemic lupus erythematosus or scleroderma,
- if you have atherosclerosis (hardening of the arteries),
- if you need to have a test to check how well your parathyroid gland is working,
- if you suffer from gout,
- if you have diabetes,
- if you are on a salt restricted diet or use salt substitutes which contain potassium (a well-balanced potassium blood level is essential),
- if you take lithium or potassium-sparing diuretics (spironolactone, triamterene) as their use with Triplixam should be avoided (see “Taking other medicines”),
- if you are elderly and your dose needs to be increased,
- if you have had photosensitivity reactions,
- if you are black origin you may have higher incidence of angiodema (swelling of the face, lips, mouth, tongue or throat which may cause difficulty in swallowing or breathing) and less effective in lowering blood pressure,
- if you are Haemodialysis patients dialysed with high-flux membranes,
- if you have kidney problems or if you are receiving dialysis,
- if you experience a decrease in vision or eye pain. These could be symptoms of fluid accumulation in the vascular layer of the eye (choroidal effusion) or an increase of pressure in your eye and can happen within hours to weeks of taking Triplixam. This can lead to permanent vision loss, if not treated. If you earlier have had a penicillin or sulfonamide allergy, you can be at higher risk of developing this,
- if you have muscle disorders including muscle pain, tenderness, weakness or cramps,
- if you have abnormally increased levels of a hormone called aldosterone in your blood (primary aldosteronism),
- if you have too much acid in blood, which may cause an increased rate of breathing,
- if you have cerebral circulatory insufficiency (low blood pressure in the brain),
- if you have swelling of the face, lips, mouth, tongue or throat which may cause difficulty in swallowing or breathing (angioedema), which can occur at any time during treatment, stop your treatment immediately and directly contact your doctor.
- if you are taking any of the following medicines, the risk of angioedema is increased:
 - racecadotril (used to treat diarrhea),
 - sirolimus, everolimus, temsirolimus and other drugs belonging to the class of so-called mTOR inhibitors (used to avoid rejection of transplanted organs and for cancer),
 - sacubitril (available as fixed-dose combination with valsartan), used to treat long-term heart failure,
 - linagliptin, saxagliptin, sitagliptin, vildagliptin and other drugs belonging to the class of the also called gliptins (used to treat diabetes).
- if you are taking any of the following medicines used to treat high blood pressure:
 - an “angiotensin II receptor blocker” (ARBs) (also known as sartans - for example valsartan, telmisartan, irbesartan), in particular if you have diabetes-related kidney problems.
 - aliskiren.

Your doctor may check your kidney function, blood pressure, and the amount of electrolytes (e.g. potassium) in your blood at regular intervals.

See also information under the heading “Do not take Triplixam”.

Your doctor may prescribe you blood tests to check for low sodium or potassium levels or high calcium levels.

You must tell your doctor if you think that you are (or might become) pregnant. Triplixam is not recommended in early pregnancy, and must not be taken if you are more than 3 months pregnant, as it may cause serious harm to your baby if used at that stage (see “Pregnancy and breastfeeding”).

When you are taking Triplixam, you should also inform your doctor or the medical staff:

- if you are to undergo anaesthesia and/or surgery,

- if you have recently suffered from diarrhoea or vomiting, or are dehydrated,
- if you are to undergo dialysis or LDL apheresis (which is removal of cholesterol from your blood by a machine),
- if you are going to have desensitisation treatment to reduce the effects of an allergy to bee or wasp stings,
- if you are to undergo a medical test that requires injection of an iodinated contrast agent (a substance that makes organs like kidney or stomach visible on an X-ray).

Athletes should be aware that Triplixam contains an active ingredient (indapamide) which may give a positive reaction in drug tests.

Children and adolescents

Triplixam should not be given to children and adolescents.

Other medicines and Triplixam

Please tell your doctor or pharmacist if you are taking or have recently taken or might take any other medicines.

Do not take aliskiren (used to treat high blood pressure) if you have diabetes or kidney problems.

You should avoid Triplixam with:

- lithium (used to treat some mental health disorders such as mania, manic depressive illness and recurrent depression),
- potassium-sparing drugs (e.g. triamterene, amiloride), potassium supplements or potassium-containing salt substitutes, other drugs which can increase potassium in your body (such as heparin, a medicine used to thin blood to prevent clots; trimethoprim and co-trimoxazole also known as trimethoprim/sulfamethoxazole for infections caused by bacteria),
- dantrolene (infusion) is also used to treat malignant hyperthermia during anaesthesia (symptoms including very high fever and muscle stiffness),
- estramustine (used in cancer therapy),
- medicines, which are most often used to treat diarrhea (racecadotril) or avoid rejection of transplanted organs (sirolimus, everolimus, temsirolimus and other drugs belonging to the class of so-called mTOR inhibitors). See section "Warnings and precautions",
- sacubitril/valsartan (used to treat long-term heart failure). See sections "Do not take Triplixam" and "Warnings and precautions",
- other medicines used to treat high blood pressure: angiotensin-converting-enzyme inhibitor and angiotensin receptor blockers.

Treatment with Triplixam can be affected by other medicines. Your doctor may need to change your dose and/or to take other precautions. Make sure to tell your doctor if you are taking any of the following medicines as special care may be required:

- other medicines for treating high blood pressure, including angiotensin II receptor blocker (ARB), aliskiren (see also information under the headings "Do not take Triplixam" and "Warning and precaution"), or diuretics (medicines which increase the amount of urine produced by the kidneys),
- potassium-sparing drugs used in the treatment of heart failure : eplerenone and spironolactone at doses between 12,5mg to 50mg per day,
- anaesthetic medicines
- iodinated contrast agent
- bepridil (used to treat angina pectoris),
- methadone (used to treat addiction)
- medicines used for heart rhythm problems (e.g. dofetilide, ibutilide, bretylium, cisapride, diphenamil, procainamide, quinidine, hydroquinidine, disopyramide, amiodarone, sotalol,
- verapamil, diltiazem (heart medicines)
- digoxin or other cardiac glycosides (for the treatment of heart problems),
- antibiotics used to treat bacterial infections (e.g. rifampicin, erythromycin, clarithromycin, sparfloxacin, moxifloxacin),
- antifungal medicines (e.g. itraconazole, ketoconazole, amphotericin B by injection),
- allopurinol (for the treatment of gout),
- antihistamines used to treat allergic reactions, such as hay fever (e.g. mizolastine, terfenadine or astemizole),
- corticosteroids used to treat various conditions including severe asthma and rheumatoid arthritis, and non-steroidal anti-inflammatory drugs (e.g. ibuprofen) or high dose salicylates (e.g. acetylsalicylic acid a substance presents in many medicines used to relieve pain and lower fever, as well as to prevent blood clotting),
- immunosuppressants (medicines used to control your body's immune response) for the treatment of auto-immune disorders or following transplant surgery (e.g. ciclosporin, tacrolimus),
- tetracosactide (to treat Crohn's disease)
- gold salts, especially with intravenous administration (used to treat symptoms of rheumatoid arthritis),
- halofantrine (used to treat certain types of malaria),
- baclofen used to treat muscle stiffness in diseases such as multiple sclerosis,
- medicines to treat diabetes such as insulin or metformin,
- calcium including calcium supplements,
- stimulant laxatives (e.g. senna),
- medicines for the treatment of cancer,

- vincamine (used to treat symptomatic cognitive disorders in elderly including memory loss),
- medicines used to treat mental health disorders such as depression, anxiety, schizophrenia... (e.g. tricyclic antidepressants, antipsychotics, imipramine-like antidepressants, neuroleptics) (such as amisulpride, sulpiride, sultopride, tiapride, haloperidol, droperidol),
- pentamidine (used to treat pneumonia),
- ritonavir, indinavir, nelfinavir (so called protease inhibitors used to treat HIV).
- *hypericum perforatum* (St. John's Wort),
- trimethoprim (for the treatment of infections),
- medicines used for the treatment of low blood pressure, shock or asthma (e.g. ephedrine, noradrenaline or adrenaline),
- nitroglycerin and other nitrates, or other vasodilators that may further reduce blood pressure.

Triplixam with food and drink

Grapefruit juice and grapefruit should not be consumed by people who are taking Triplixam. This is because grapefruit and grapefruit juice can lead to an increase in the blood levels of the active ingredient amlodipine, which can cause an unpredictable increase in the blood pressure lowering effect of Triplixam.

Pregnancy and breast-feeding

If you are pregnant or breast-feeding, think you may be pregnant or are planning to have a baby, ask your doctor or pharmacist for advice before taking this medicine

Pregnancy

You must tell your doctor if you think that you are (or might become) pregnant.

Your doctor will normally advise you to stop taking Triplixam before you become pregnant or as soon as you know you are pregnant and will advise you to take another medicine instead of Triplixam. Triplixam is not recommended in early pregnancy, and must not be taken when more than 3 months pregnant, as it may cause serious harm to your baby if used after the third month of pregnancy.

Breast-feeding

Tell your doctor if you are breast-feeding or about to start breast-feeding. Triplixam is not recommended for mothers who are breast-feeding, and your doctor may choose another treatment for you if you wish to breast-feed, especially if your baby is new-born, or was born prematurely.

Driving and using machines

Triplixam may affect your ability to drive or use machines. If the tablets make you feel sick, dizzy, tired, or give you a headache, do not drive or use machines and contact your doctor immediately.

Triplixam contains sodium

Triplixam contains less than 1 mmol sodium (23 mg) per tablet, that is to say essentially 'sodium-free'.

3. How to take Triplixam

Always take this medicine exactly as your doctor or pharmacist has told you. Check with your doctor or pharmacist if you are not sure.

Swallow the tablet with a glass of water preferably in the morning and before a meal. Your doctor will decide on the correct dose for you. This will normally be one tablet once a day.

If you take more Triplixam than you should

Taking too many tablets may cause your blood pressure to become low or even dangerously low sometimes associated with nausea, vomiting, cramps, dizziness, sleepiness, mental confusion, oliguria (passing less urine than is normal), anuria (no production or passing of urine). You may feel lightheaded, faint, or weak. If blood pressure drop is severe enough shock can occur. Your skin could feel cool and clammy and you could lose consciousness. Seek immediate medical attention if you take too many Triplixam tablets.

If you forget to take Triplixam

It is important to take your medicine every day as regular treatment is more effective. However, if you forget to take a dose of Triplixam, take the next dose at the usual time. Do not take a double dose to make up for a forgotten dose.

If you stop taking Triplixam

As the treatment for high blood pressure is usually life-long, you should discuss with your doctor before stopping this medicinal product.

If you have any further questions on the use of this medicine, ask your doctor or pharmacist.

4. Possible side effects

Like all medicines, this medicine can cause side effects, although not everybody gets them.

Stop taking the medicinal product and see a doctor immediately, if you experience any of the following side effects that can be serious:

- sudden wheeziness, chest pain, shortness of breath, or difficulty in breathing, (Uncommon) (may affect up to 1 in 100 people)
- swelling of eyelids, face or lips, (Uncommon) (may affect up to 1 in 100 people)
- swelling of the mouth, tongue and throat, which causes great difficulty breathing, (Uncommon) (may affect up to 1 in 100 people)



- severe skin reactions including intense skin rash, hives, reddening of the skin over your whole body, severe itching, blistering, peeling and swelling of the skin, inflammation of mucous membranes (Stevens Johnson Syndrome, Toxic Epidermal Necrolysis) or other allergic reactions, (Very rare) (may affect up to 1 in 10,000 people)
- severe dizziness or fainting, (Common) (may affect up to 1 in 10 people)
- heart attack, (Very rare) (may affect up to 1 in 10,000 people), life-threatening irregular beat (Not known)
- inflamed pancreas which may cause severe abdominal and back pain accompanied with feeling very unwell (Very rare) (may affect up to 1 in 10,000 people)
- muscle weakness, cramps, tenderness or pain and particularly, if at the same time, you feel unwell or have a high temperature it may be caused by an abnormal muscle breakdown (not known).

In decreasing order of frequency, side effects can include:

- Very common (may affect more than 1 in 10 people):
Oedema (fluid retention).
- Common (may affect up to 1 in 10 people):
Headache, dizziness, palpitations (awareness of your heartbeat), flushing, vertigo, pins and needles, visual impairment, double vision, tinnitus (sensation of noises in the ears), light-headedness due to low blood pressure, cough, shortness of breath, gastro-intestinal disorders (nausea, vomiting, abdominal pain, taste disturbances, dyspepsia or difficulty of digestion, diarrhoea, constipation, change of bowel habit), allergic reactions (such as skin rashes, itching), muscle spasms, feeling of tiredness, weakness, somnolence, ankle swelling.
- Uncommon (may affect up to 1 in 100 people):
Mood swings, anxiety, depression, sleep disturbances, trembling, hives, fainting, loss of pain sensation, irregular and/or rapid heartbeat, rhinitis (blocked up or runny nose), hair loss, purpura (red pinpoint spots on skin), skin discolouration, itchy skin, sweating, chest pain, joint or muscle pain, back pain, pain, feeling unwell (malaise), kidney problems, disorder in passing urine, increased need to urinate at night, increased number of times of passing urine, inability to obtain an erection, fever or high temperature, discomfort or enlargement of the breasts in men, weight increased or decreased, increase in some white blood cells, high potassium levels in the blood, hypoglycaemia (very low blood sugar level), low sodium levels in the blood, vasculitis (inflammation of blood vessels), photosensitivity reaction (change in skin appearance) after exposure to the sun or artificial UVA, blister clusters over the skin, swelling of hands or feet, blood creatinine increased and blood urea increase, fall, dry mouth.
- Rare (may affect up to 1 in 1000 people):
Confusional state, changes in laboratory parameters: Increased level of liver enzymes, high level of serum bilirubin and psoriasis worsening.
- Very rare (may affect up to 1 in 10,000 people):
Decreased numbers of white blood cells, decrease in the number of platelets (which causes easy bruising and nasal bleeding), anaemia (decrease in red blood cells), angina pectoris (pains to the chest, jaw and back, brought on by physical effort, and due to problems with the blood flow to the heart), eosinophilic pneumonia (a rare type of pneumonia), swelling of the gums, severe skin reactions including intense skin rash, reddening of the skin over your whole body, severe itching, blistering, peeling and swelling of the skin, erythema multiforme (a skin rash which often starts with red itchy patches on your face, arms or legs), bleeding, tender or enlarged gums, abnormal liver function, inflammation of the liver (hepatitis), severe kidney problems, yellowing of the skin (jaundice), abdominal bloating (gastritis), disorder of the nerves which can cause weakness, tingling or numbness, increased muscle tension, hyperglycaemia (very high blood sugar level), high level of calcium in the blood, stroke possibly secondary to excessive low blood pressure.
- Not known (frequency cannot be estimated from the available data):
Hepatic encephalopathy (disease of the brain caused by liver illness), abnormal ECG heart tracing, low potassium levels in the blood, if you suffer from systemic lupus erythematosus (a type of collagen disease), this might get worse.
Short sightedness (myopia), vision blurred decrease in vision or pain in your eyes due to high pressure (possible signs of fluid accumulation in the vascular layer of the eye (choroidal effusion) or acute angle-closure glaucoma).
Trembling, rigid posture, mask-like face, slow movements and a shuffling, unbalanced walk.
Discoloration, numbness and pain in fingers or toes (Raynaud's phenomenon).

Changes in laboratory parameters (blood tests) can occur. Your doctor may need to give you blood tests to monitor your condition.

Concentrated urine (dark in colour), feel or are sick, have muscle cramps, confusion and fits which may be due to inappropriate ADH (anti-diuretic hormone) secretion can occur with ACE inhibitors. If you have these symptoms contact your doctor as soon as possible.

Reporting of side effects

If you get any side effects, talk to your doctor or pharmacist. This includes any possible side effects not listed in this leaflet. You can also report side effects to company website www.servier.com.pk or to Drug Regulatory Authority of Pakistan www.dra.gov.pk. By reporting side effects you can help provide more information on the safety of this medicine.

5. How to store Triplixam

Keep this medicine out of the sight and reach of children.

Do not use this medicine after the expiry date which is stated on the carton and tablet container. The expiry date refers to the last day of that month.

This medicinal product does not require any special storage conditions.

For the container of 28 and 30 film-coated tablet, the in-use stability after first opening is 30 days.

For the container of 100 film-coated tablet, the in-use stability after first opening is 100 days.

Do not throw away any medicine via wastewater or household waste. Ask your pharmacist how to throw away medicines you no longer used. These measures will help to protect the environment.

6. Content of the pack and other information



What Triplixam contains



- The active substances are perindopril arginine, indapamide and amlodipine



One film-coated tablet of :



- Triplixam 5/1.25/5 mg contains 3.395 mg perindopril equivalent to 5mg perindopril arginine, 1.25 mg indapamide and 6.935mg amlodipine besilate equivalent to 5 mg of amlodipine.
- Triplixam 5/1.25/10 mg contains 3.395 mg perindopril equivalent to 5mg perindopril arginine, 1.25 mg indapamide and 13.870mg amlodipine besilate equivalent to 10 mg of amlodipine.
- Triplixam 10 /2.5/5 mg contains 6.790 mg perindopril equivalent to 10 mg perindopril arginine, 2.5 mg indapamide and 6.935mg amlodipine besilate equivalent to 5 mg of amlodipine.
- Triplixam 10 /2.5/10 mg contains 6.790 mg perindopril equivalent to 10 mg perindopril arginine, 2.5 mg indapamide and 13.870 mg amlodipine besilate equivalent to 10 mg of amlodipine.
- The other ingredients are:
 - Tablet core: Calcium carbonate starch compound: Calcium carbonate 90 %, Pregelatinised maize starch 10%, cellulose microcrystalline (E460), croscarmellose sodium (E468), magnesium stearate (E572), colloidal anhydrous silica, pregelatinised starch.
 - Tablet film-coating: Glycerol (E422), hypromellose 6mPa.s (E464), macrogol 6000, magnesium stearate (E572), titanium dioxide (E171).

What Triplixam looks like and contents of the pack

Triplixam 5/1.25/5 mg are white, oblong, film-coated tablet, 9.75 mm long and 5.16 mm wide, engraved with  on one face and  on the other face.

Triplixam 5/1.25/10 mg are white, oblong, film-coated tablet, 10.7 mm Long and 5.66 mm wide, engraved with  on one face and  on the other face.

Triplixam 10/2.5/5 mg are white, oblong, film-coated tablet, 11.5 mm long and 6.09 mm wide, engraved with  on one face and  on the other face.

Triplixam 10/2.5/10 mg are white, oblong, film-coated tablet, 12.2 mm long and 6.46 mm, engraved with  on one face and  on the other face.

The tablets are available in box of 30.

The desiccant is present in the stopper of the tablet containers.

Marketing Authorisation Holder and Manufacturer

Marketing Authorisation Holder:



Les Laboratoires Servier
50, rue Carnot
92284 Suresnes cedex – France

Manufacturers:

Servier (Ireland) Industries Ltd
Gorey Road
Arklow - Co. Wicklow – Ireland

Ware House:

Servier Research and Pharmaceuticals [Pakistan](Pvt)Ltd
9-KM Sheikhpura Road Lahore Pakistan

7. MARKETING AUTHORISATION NUMBER(S)

Triplixam 5mg/1.25mg/5mg	[093938]
Triplixam 5mg/1.25mg/10mg	[094743]
Triplixam 10mg/2.5mg/5mg	[094744]
Triplixam 10mg/2.5mg/10mg	[093939]

8. DATE OF FIRST AUTHORISATION/RENEWAL OF THE AUTHORISATION

Date of first authorisation: {06/03/2019}

9. DATE OF REVISION OF THE TEXT

November 2021