

Package leaflet: Information for the user
tinzaparin sodium syringe 10,000 IU/ml

Read all of this leaflet carefully before you start using 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, pharmacist or nurse.
- 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, pharmacist or nurse. This includes any possible side effects not listed in this leaflet. See section 4.
- In this leaflet tinzaparin sodium 10,000 IU/ml syringe will be called tinzaparin.

What is in this leaflet

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

1. What tinzaparin is and what it is used for

Tinzaparin is a type of heparin – a low molecular weight heparin – and belongs to a group of medicines called anticoagulants; these medicines affect how your blood clots. Tinzaparin prevents clotting, allowing normal blood flow through the arteries and veins.

Tinzaparin is used to:

- Prevent blood clots in adults before and after an operation.
- Prevent blood clots in adults who have an increased risk of blood clots e.g. due to an acute illness with limited mobility.
- Prevent blood clots being formed in haemodialysis equipment in patients undergoing haemodialysis or haemofiltration. In haemodialysis, wastes and fluids from the blood are removed by a dialysis machine and a dialysis filter, which acts as a kind of artificial kidney.

2. What you need to know before you use tinzaparin

Do not use tinzaparin

- If you are allergic to tinzaparin or any of the other ingredients of this medicine (listed in section 6).
- If you have ever had a reaction to heparin that caused a severe drop in the number of your clotting cells (platelets) - this reaction is called heparin-induced thrombocytopenia (HIT).
- If you have ever had a major bleed (for instance: in the brain, spine, eye or stomach, into a muscle or the womb, or any conditions which make you bleed severely, such as haemophilia).
- If you have a condition called septic endocarditis (an inflammation of the lining of the heart and heart valves).
- If you are using tinzaparin to treat blood clots and are going to receive spinal/epidural anaesthesia or lumbar puncture.

Warnings and precautions

Important: If you are having an epidural/spinal anaesthetic

Your doctor will decide if you can have an epidural/spinal anaesthetic if you are using tinzaparin. You must wait 12 hours after your last injection of tinzaparin before having a lumbar puncture or epidural/spinal anaesthetic placed.

You must wait at least 4 hours after having a spinal anaesthetic, or after the catheter has been removed, before you start using tinzaparin again.

If you have an anaesthetic your doctor or nurse will make regular checks. This is to check if you are getting any major bleeding or bruising around your spine. This may cause paralysis that could be permanent. Any signs this may be happening to you include tingling, weakness or numbness in your lower legs or body, back pain or problems in going to the toilet. This happens very rarely.

You may have a blood test before you start using this medicine and at intervals while you are using it; this is to check the level of the clotting cells (platelets) and potassium in your blood.

Do not inject tinzaparin into a muscle. See section 3, “How to use tinzaparin”.

This medicine may make you bleed more easily, so when you are being given other injections or having any procedures carried out, tell the doctor, nurse or dentist that you are using tinzaparin.

Talk to your doctor, pharmacist or nurse before using tinzaparin

- If you are pregnant, or think you may be pregnant. See the section “Pregnancy and breast-feeding”.
- If you have a condition which makes you more likely to bleed.
- If you are being treated with any other injections into your muscles.
- If you have any medical condition such as diabetes mellitus or metabolic acidosis which may cause high levels of potassium in your blood (hyperkalaemia).
- If you have an artificial heart valve.
- If you have kidney problems.

Tinzaparin should not be interchanged with other low molecular weight heparin products. This is because they are not exactly the same and you could experience problems with your blood clotting.

Elderly people

Because kidney problems are more likely if you are elderly, you may have a blood test to check how well your kidneys are working and to monitor the activity of tinzaparin.

Children and adolescents

Tinzaparin is not intended for use in children and adolescents under the age of 18 years.

Other medicines and tinzaparin

Tell your doctor, pharmacist or nurse if you are taking, have recently taken or might take any other medicines. This includes any medicines bought without a prescription.

You must tell your doctor, pharmacist or nurse if you are taking any of the following medicines as you may be likely to bleed more easily:

- Non-steroidal anti-inflammatory drugs (such as ibuprofen or diclofenac): for arthritis or aches or pains.
- Aspirin: either for reducing pain and inflammation, or the lower dose for thinning of the blood.
- Platelet aggregation inhibitors (such as clopidogrel): for stopping harmful blood clots forming.
- Thrombolytic agents (such as streptokinase): for dissolving blood clots.
- Vitamin K antagonists (such as warfarin): for stopping harmful blood clots.
- Activated protein C: for getting rid of blood clots.
- Anticoagulation, taken by mouth (such as rivaroxaban, dabigatran or apixaban): for stopping harmful blood clots.

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, pharmacist or midwife for advice before using this medicine.

Special precautions are required if you will have an epidural anaesthetic to help you with your labour when you are using tinzaparin. (See “Warnings and precautions”.)

Driving and using machines

This medicine should not have any effect on your ability to drive or use machines. However, you should check with your doctor if you feel any side effect that may stop you from driving or using machines.

Important information about some of the ingredients of tinzaparin

Tinzaparin sodium 10,000 IU/ml syringe contains sodium:

This medicine contains less than 23 milligrams (mg) sodium per mL and is essentially “sodium free”.

Please ask your doctor or pharmacist if you are worried about any of the ingredients in this medicine.

3. How to use tinzaparin

Always use this medicine exactly as your doctor, pharmacist or nurse has told you. Check with one of them if you are not sure that you understand how to do the injection or if you are unsure about anything else to do with the medicine.

Your doctor may decide that you or a carer may inject this medicine. You will be shown how to give the injection and should only give the injection when you have been instructed how to do so.

How much tinzaparin to use

Adults, including the elderly:

To prevent blood clots forming in your veins

Tinzaparin must be injected under the skin (subcutaneous injection). The dose and the length of your treatment will depend on the type of operation or illness you are having. Your doctor will prescribe the right dose for you and tell you how long your treatment with tinzaparin will last.

To prevent blood clots forming in connection with haemodialysis or haemofiltration

Tinzaparin will be given either into the tubes of the haemodialysis machine or into your vein. The dose will depend on the duration of dialysis.

Use in children and adolescents

There is limited experience of use in children and adolescents. Tinzaparin is not intended for use in children and adolescents under the age of 18 years.

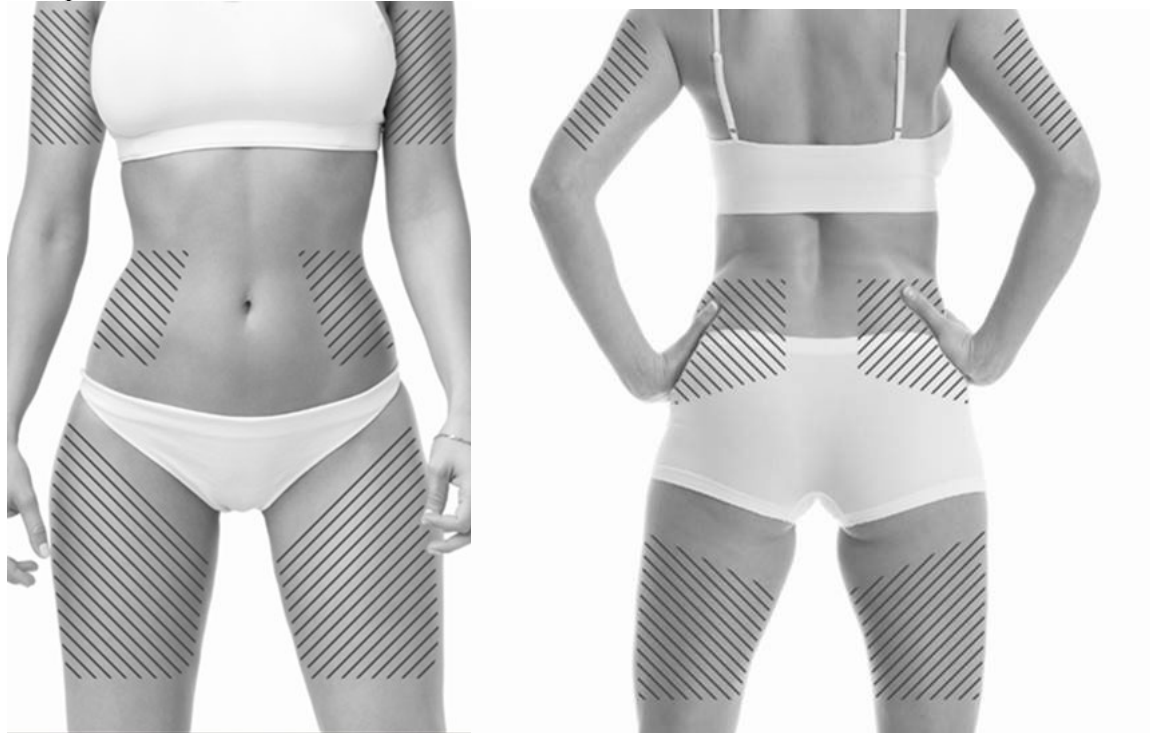
How to inject yourself with tinzaparin

You should inject yourself exactly as you have been shown and only on the parts of your body that you have been told it is safe to inject into. The type of injection you will be giving is known as a subcutaneous injection. The injection goes into a pinched up fatty layer on your abdomen, or on the outer part of your thighs, lower back, upper leg or upper arm. Keep away from your belly button. Do NOT inject into a muscle.

Ideally you should inject at the same time every day; this helps to maintain a steady level of the medicine in your body.

When giving yourself an injection, make sure you:

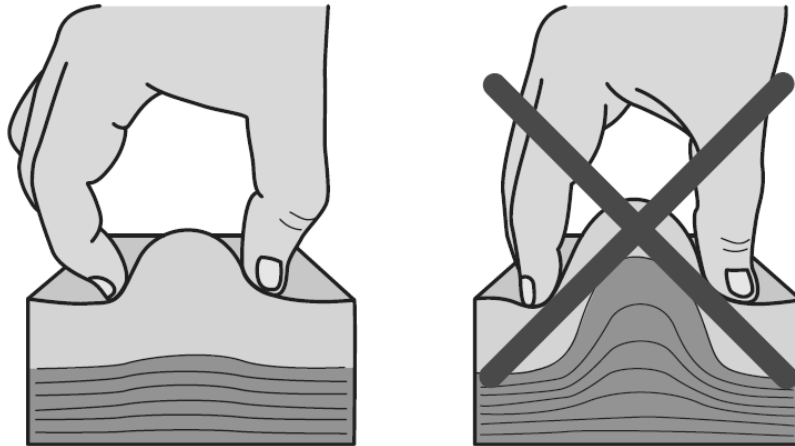
1. Thoroughly wash and dry your hands.
2. Sit, stand or lie in a position so that you can see the skin where you are going to inject yourself. This can comfortably be done standing up, or if you prefer, in a lounge chair, recliner or bed propped up with pillows.



3. Decide where to inject yourself – see the image above. This may be on the right or left side of the abdomen (stomach), at least 5 cm (2 inches) away from your belly button. You may also inject into the sides of your thigh, lower back, upper leg or upper arm. Avoid scar tissue or stretch marks and areas with visible blood vessels or areas that are tender, bruised, red or hard. Change the place you inject each time, and stay at least 3 cm (1 inch) away from your last tinzaparin injection site.
4. Clean the chosen area of the skin, as you have been told to do by your doctor or nurse, and allow to dry before you inject.
5. Carefully take the syringe out of its plastic container by bending the cap all the way back and sliding the syringe out. tinzaparin should be at room temperature when you inject, this can minimise discomfort.



Bend the orange safety device down away from the cap on the needle. Remove the protective needle cap without bending the needle. To keep the needle clean, make sure it does not touch anything. The syringe is now ready for use.



6. Hold the syringe in your writing-hand like you would hold a pen. With your other hand, make a fold of your skin by gently pinching the area where you are going to inject yourself with your thumb and forefinger.

7. With the syringe at a right angle to your body (pointing straight, not at an angle), insert the needle fully into the skin fold.



8. Continue to hold the skin fold, without drawing back on the syringe, press down on the plunger slowly over 10-15 seconds. This delivers this medicine into the fatty tissue.

9. Promptly pull the needle completely out of the skin and then let go of the skin fold. Do not rub or massage the place where you injected yourself – this can lead to bruising.



10. Using a hard surface, bend the orange safety device so it is now pointing in the same direction as the needle (back to its original position). Then with the safety device flat against a hard surface such as a table, gently push downwards until the needle clicks into the device. Then continue to push downwards against the hard surface, so that the needle and device are at a 45 degree angle to the syringe.



11. The used syringe, even when the orange safety device is in place, should be handled with care and should be disposed of in a “sharps” container (i.e. a special bin for needles) immediately. If a “sharps” container is not readily available then please put the used syringe back into the plastic container and close the lid by pressing down on the lid until it clicks into the slot provided. Dispose of the syringe carefully, as instructed by your healthcare professional.

Never put syringes or needles in the household rubbish.

For the attention of the healthcare professional:

Please dispose of the used syringe in accordance with your institution/employer’s standard procedures for disposal of used syringes.

If you use more tinzaparin than you should

If you think you may have injected yourself with too much, tell your doctor or nurse straight away because you may start to haemorrhage (bleed severely) and need to be given another injection of a medicine called protamine sulfate to stop you bleeding.

If you forget to use tinzaparin

If you forget to have your injection, it is important that you talk to your doctor or nurse as soon as you remember and get advice on what to do.

4. Possible side effects

Like all medicines, this medicine can cause side effects, although not everybody gets them. The side effects most often reported are blood problems and skin reactions, especially where your injection has been given.

Important side effects to look out for:

You must get urgent medical help if you have any of the following symptoms. You may be having serious allergic reactions. These are rare (may affect up to 1 in 1000 people).

- You have difficulty breathing.
- Your face or throat swell.
- Your skin develops a severe rash.
- You experience blistering of the skin, mouth, eyes or genitals or your skin peels.
- Blood spots near the injection site which could develop into a purple blister surrounded by red inflamed skin.

You must get urgent medical help if you have any of the following symptoms after having an epidural or spinal anaesthetic. You may be developing paralysis:

- Tingling, weakness or numbness in your legs or lower body.
- Back pain.
- Problems in going to the toilet.

You should tell your doctor straight away if you spot any of the following signs which mean you may be starting to bleed severely:

- Red or brown urine.
- Black tarry stools.
- Unusual bruising.
- Bleeding from your nose, or mouth or any operation wound that will not stop.

Common side effects (may affect up to 1 in 10 people)

- Bleeding (haemorrhage).
- Anaemia. Reduction in red blood cells which can make the skin pale and cause weakness and breathlessness.
- A pooling of blood in tissues which may result in the skin appearing dark in colour, similar to a large bruise.
- Pain, itching, bruising or bleeding, redness, swelling, nodules or hard lumps under your skin where the injection was given.

Uncommon side effects (may affect up to 1 in 100 people)

- Changes in your blood test results. There may be a change in the clotting cells (platelets) in your blood. These tests will return to normal when tinzaparin is stopped.
- An allergic reaction. You may be sensitive to one of the ingredients in this medicine.
- Bruising, red or purple spots under your skin.
- Some blood tests may also show a change in the way your liver is working. These tests will return to normal when tinzaparin is stopped.
- An itchy red rash with heat and swelling on your skin (dermatitis).
- Rash.
- Itchy skin.

Rare side effects (may affect up to 1 in 1000 people)

- Your blood may form more harmful clots. A drop in the number of clotting cells (platelets) in your blood may give you these symptoms. Your doctor can explain this more.
- Changes in your blood test results. The amount of potassium may be increased. This is more likely to happen if you have severe kidney problems or diabetes. Your doctor can explain this more.
- Hives.
- Your bones may weaken and break more easily. This is known as osteoporosis and has been seen in patients using heparin for a long time.
- Prolonged, painful erections in men.

Paediatric population

Limited information derived from one study and postmarketing data indicates that the pattern of adverse reactions in children and adolescents is comparable to that in adults.

Reporting of side effects

If you get any side effects, talk to your doctor, pharmacist or nurse. This includes any possible side effects not listed in this leaflet. You can also report side effects directly via the Yellow Card Scheme at: www.mhra.gov.uk/yellowcard or search for MHRA Yellow Card in the Google Play or Apple App Store. By reporting side effects, you can help provide more information on the safety of this medicine.

5. How to store tinzaparin

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

- Do not use the medicine after the expiry date which is stated on the carton and label (EXP). The expiry date is the last day of that month.
- This medicinal product does not require any special storage conditions.

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

6. Contents of the pack and other information

What tinzaparin contains

- The active substance is tinzaparin sodium.
- Tinzaparin sodium 10,000 IU/ml syringe contains 10,000 IU of tinzaparin sodium in each millilitre (ml).
- The other ingredients are sodium acetate trihydrate, sodium hydroxide and water for injections.

You can find important information about some of the ingredients near the end of section 2, just before section 3.

What tinzaparin looks like and contents of the pack

Tinzaparin sodium 10,000 IU/ml syringe is a straw coloured liquid.

Tinzaparin sodium 10,000 IU/ml syringe comes in a glass syringe containing 0.25 ml, 0.35 ml or 0.45 ml.

There are 5, 10, 50 or 100 syringes in a carton.

Not all pack sizes may be marketed.

Marketing Authorisation Holder and Manufacturer

Marketing Authorisation Holder: LEO Laboratories Limited, Maidenhead, Berkshire SL6 3UD, UK.

Manufacturer: Laboratoires LEO, 28500 Vernouillet, France.

This leaflet was last revised in April 2023.

For information in large print, Braille or audio/CD, telephone +44 (0)1844 347333.

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