

Package leaflet: Information for the user

Lidocaine 1% and 2% with adrenaline (epinephrine) 1:200,000 solution for injection

Read all of this leaflet carefully before this medicine is given to you 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 nurse.
- If you get any side effects, talk to your doctor or nurse. See section 4.

What is in this leaflet:

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

1. What lidocaine with adrenaline is and what it is used for

The name of your medicine is 'Lidocaine 1% with adrenaline (epinephrine) 1:200,000' or 'Lidocaine 2% with adrenaline (epinephrine) 1:200,000'. It is referred to as 'Lidocaine with adrenaline' in the rest of this leaflet.

Lidocaine with adrenaline is used to numb (anaesthetise) part of the body for surgical operations or to provide pain relief.

Lidocaine 1% with adrenaline is used in adults and children above 1 year of age to:

- numb (anaesthetise) the area of the body where surgery is to be performed.
- provide pain relief in labour, after surgery or after acute injury.
- treat certain types of chronic pain.

Lidocaine 2% with adrenaline is used in adults and children above 12 years to:

- numb (anaesthetise) the area of the body where surgery is to be performed.
- provide pain relief in labour, after surgery or after acute injury.
- treat certain types of chronic pain.

Lidocaine with adrenaline contains two different medicines: lidocaine and adrenaline (epinephrine). Each of these works in a different way.

- Lidocaine belongs to a group of medicines called local anaesthetics. These medicines numb (anaesthetise) parts of the body.
- Adrenaline (epinephrine) belongs to a group of medicines called vasoconstrictors. These medicines make the blood vessels where the injection is given narrower. This means you will bleed less and the effects of the medicine will last longer.

2. What you need to know before lidocaine with adrenaline is given to you

You must not be given lidocaine with adrenaline:

- if you are allergic to lidocaine, adrenaline or any of the other ingredients of this medicine (listed in section 6).
- if you are allergic to any other local anaesthetics.

You must not be given lidocaine with adrenaline if any of the above apply to you. If you are not sure, talk to your doctor or nurse before you are given it.

Warnings and precautions

Talk to your doctor or nurse before using lidocaine with adrenaline, if you:

- have high blood pressure or heart problems such as a slow heart beat.
- have been told that you have hypovolaemia (decreased volume of blood).
- have liver or kidney problems.
- have difficulty breathing.
- have epilepsy.
- have diabetes.
- have thyroid problems.
- have ever had a stroke.
- have an infection or inflammation at the site where the injection is to be given.
- have ever been told that you have a rare disease of the blood pigment called 'porphyria' or anyone in your family has it.

If you are not sure if any of the above apply to you, talk to your doctor or nurse before having lidocaine with adrenaline.

Other medicines and lidocaine with adrenaline

Tell your doctor if you are taking, have recently taken or might take any other medicines. This includes medicines that you buy without a prescription and herbal medicines. This is because lidocaine with adrenaline can affect the way some medicines work and some medicines can have an effect on lidocaine with adrenaline.

In particular, tell your doctor if you are taking any of the following medicines:

- Other local anaesthetics.
- Other medicines that contain adrenaline.
- Halothane (a general anaesthetic).
- Medicines used to treat an uneven heart beat (arrhythmia) such as amiodarone.
- Beta-blockers medicines such as propranolol.
- Butyrophenone medicines for sickness, such as domperidone.
- Other butyrophenone medicines for mental problems, such as haloperidol.
- Phenothiazine medicines for mental problems, such as chlorpromazine.
- Medicines for depression such as monoamine oxidase inhibitors (MAOIs) and tricyclic antidepressants.
- Medicines that induce labour.
- Cimetidine.

Pregnancy, breast-feeding and fertility

If you are pregnant or breast-feeding, think you may be pregnant or are planning to have a baby, ask your doctor for advice before you are given lidocaine with adrenaline

Driving and using machines

Lidocaine with adrenaline may make you feel sleepy and affect the speed of your reactions. After you have been given lidocaine with adrenaline, you should not drive or use tools or machines until the next day.

Lidocaine with adrenaline contains sodium, methyl hydroxybenzoate and sodium metabisulphite

- Lidocaine with adrenaline contains 2.49 mg of sodium per millilitre (ml), equivalent to 49.8 mg per 20 ml. To be taken into consideration by patients on a controlled sodium diet.
- Lidocaine with adrenaline contains methyl hydroxybenzoate (E218). This may cause allergic reactions (possibly delayed), and exceptionally, bronchospasm.
- Lidocaine with adrenaline contains sodium metabisulphite. This may rarely cause severe hypersensitivity reactions and bronchospasm.

3. How lidocaine with adrenaline is given to you

Lidocaine with adrenaline will be given to you by a doctor. It will be given to you as an injection. The dose that your doctor gives you will depend on the type of pain relief that you need. It will also depend on your body size, age, physical condition and the part of your body that the medicine is being injected into. You will be given the smallest dose possible to produce the required effect.

Lidocaine with adrenaline will usually be given near the part of the body to be operated on. It stops the nerves from being able to pass pain messages to the brain. It will stop you feeling pain. It will start to work a few minutes after being injected and will slowly wear off when the medical procedure is over.

If you have been given too much lidocaine with adrenaline

Serious side effects from getting too much lidocaine with adrenaline need special treatment and the doctor treating you is trained to deal with these situations. The first signs of being given too much lidocaine with adrenaline are usually as follows:

- Feeling dizzy or light-headed.
- Numbness of the lips and around the mouth.
- Numbness of the tongue.
- Hearing problems.
- Problems with your sight (vision).

To reduce the risk of serious side effects, your doctor will stop giving you lidocaine with adrenaline as soon as these signs appear. This means that if any of these happen to you, or you think you have received too much lidocaine with adrenaline, **tell your doctor immediately**.

More serious side effects from being given too much lidocaine with adrenaline include problems with your speech, irrational behaviour, twitching of your muscles, fits (seizures), effects on your heart and blood vessels, loss of consciousness, coma and stopping breathing for a short while (apnoea).

4. Possible side effects

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

If you suffer from any of the following symptoms seek **immediate medical attention**:

- **Severe allergic reactions;** signs may include sudden onset of swelling of your face, lips, tongue or throat which may make it difficult to swallow, severe or sudden swelling of your hands, feet and ankles, difficulty breathing (you may find it more difficult to breathe or your breathing may stop) or severe itching of the skin (with raised lumps).
- **Nerve damage;** signs may include gradual onset of numbness, prickling or tingling and/or muscle weakness in your feet or hands, which can spread upward into your legs and arms.
- **Arachnoiditis (inflammation of a membrane that surrounds the spinal cord);** signs may include a stinging or burning pain in the lower back or legs and tingling, numbness or weakness in the legs.

If you experience any of the following side effects, or notice any other unusual effects not mentioned in this leaflet, tell your doctor immediately:

Common (may affect up to 1 in 10 people)

- Low blood pressure. This might make you feel dizzy or light-headed.
- High blood pressure.
- Feeling sick (nausea) or being sick (vomiting).
- Pins and needles.

- Feeling dizzy.
- Slow heart beat.

Uncommon (may affect up to 1 in 100 people)

- Ringing in the ears (tinnitus) or being sensitive to sound.
- Difficulty in speaking.
- Numbness of the tongue or around the mouth.
- Fits (seizures).
- Feeling sleepy.
- Shakiness.
- Blurred vision.

Rare (may affect up to 1 in 1,000 people)

- Uneven heart beat (arrhythmias).
- Double vision.

Possible side effects seen with other local anaesthetics which might also be caused by lidocaine with adrenaline include:

- Damaged nerves which may cause permanent problems.

Other possible side effects:

- Numbness where the injection is given. This will go away slowly.

Reporting of side effects

If you get any side effects, talk to your doctor 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 lidocaine with adrenaline

- 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 vials and container after EXP. The expiry date refers to the last day of that month.
- Store between 2 and 8°C in a fridge.
- Your doctor or the hospital will normally store lidocaine with adrenaline and they are responsible for the quality of the product when it has been opened if it is not used immediately. They are also responsible for disposing of any unused lidocaine with adrenaline correctly.

6. Contents of the pack and other information

What lidocaine 1% and 2% with adrenaline (epinephrine) 1:200,000 contains

The active ingredients are lidocaine and adrenaline (epinephrine). Each millilitre (ml) of solution contains 10 milligrams or 20 milligrams of lidocaine hydrochloride anhydrous as the monohydrate and 5 micrograms of adrenaline (epinephrine) as the acid tartrate.

The other ingredients are sodium chloride, sodium metabisulphite, methyl hydroxybenzoate, sodium hydroxide, hydrochloric acid and water for injections.

What lidocaine 1% and 2% with adrenaline (epinephrine) 1:200,000 looks like and contents of the pack

Lidocaine 1% and 2% with adrenaline (epinephrine) 1:200,000 is a solution for injection. It comes in multi-dose vials of 20 ml, as a single vial or a pack of 5 vials. Not all pack sizes may be marketed.

Marketing Authorisation Holder and Manufacturer

The Marketing Authorisations for lidocaine 1% and 2% with adrenaline (epinephrine) 1:200,000 are held by Aspen Pharma Trading Limited, 3016 Lake Drive, Citywest Business Campus, Dublin 24, Ireland
Tel: +44 (0)1 748 828 391

Lidocaine 1% and 2% with adrenaline (epinephrine) 1:200,000 is manufactured by

AstraZeneca UK Ltd, Silk Road Business Park, Macclesfield, Cheshire, SK10 2NA, UK.

Or

Recipharm Monts, Usine de Monts, 18 rue de Montbazon F-37260, Monts, France.

To listen to or request a copy of this leaflet in Braille, large print or audio please call, free of charge:

0800 198 5000 (UK only)

Please be ready to give the following information:

Product name	Reference number
Lidocaine 1% with adrenaline (epinephrine) 1:200,000 solution for injection	39699/0084
Lidocaine 2% with adrenaline (epinephrine) 1:200,000 solution for injection	39699/0085

This is a service provided by the Royal National Institute of Blind People.

This leaflet was last revised in January 2023.