



Adrenaline (epinephrine) 1 in 1000 Injection

Important information about your medicine

- Your doctor or nurse will give you the injection.
- If this injection causes you any problems talk to your doctor, nurse or pharmacist.
- Please tell your doctor or pharmacist, if you have any other medical conditions or have an allergy to any of the ingredients of this medicine.
- Please tell your doctor or pharmacist, if you are taking any other medicines.

- **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, please **ask your doctor, pharmacist or nurse.**
- 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.

What is in this leaflet

1. What Adrenaline (epinephrine) 1 in 1000 Injection is and what it is used for
2. What you need to know before you use Adrenaline (epinephrine) 1 in 1000 Injection
3. How to use Adrenaline (epinephrine) 1 in 1000 Injection
4. Possible side effects
5. How to store Adrenaline (epinephrine) 1 in 1000 Injection
6. Contents of the pack and other information

1. What Adrenaline (epinephrine) 1 in 1000 Injection is and what it is used for

Adrenaline is used in life-threatening emergencies such as **acute allergic reactions.**

It is an active **chemical produced** in the **body.** Adrenaline acts on receptors in the body and can increase the speed and force of heart muscle contractions, relieve narrowing of the lungs passages helping breathing and relieve some of the symptoms of acute allergic reaction.

2. What you need to know before you use Adrenaline (epinephrine) 1 in 1000 Injection

Do NOT use Adrenaline (epinephrine) 1 in 1000 Injection:

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

Warnings and precautions:

Talk to your doctor, pharmacist or nurse before using Adrenaline (epinephrine) 1 in 1000 Injection:

- if you are in **shock** or have lost a lot of blood.
- if you have any **heart disease** or long standing chest disease like asthma or emphysema.
- if you have **Phaeochromocytoma** (a tumour on the adrenal gland).
- if you have low blood levels of **Potassium** or high blood levels of **Calcium.**
- if you are suffering from **glaucoma** (increased pressure in the eye).
- if you are going to have an **operation** under general anaesthetic.
- if you are a **diabetic.**
- if you are suffering from **high blood pressure.**
- if you have had a **spinal cord injury** and are suffering from over-activity of the involuntary nervous system which causes your **blood pressure to be uncontrolled.**
- if you have an **enlarged prostate** or have **difficulty urinating.**
- if you have any **psychological disorders.**

Other medicines and Adrenaline (epinephrine) 1 in 1000 Injection:

Tell your doctor, pharmacist or nurse if you are taking, have recently taken or might take **any other medicines,** including medicines obtained without a prescription. This is especially important with the following medicines as they may interact with your Adrenaline (epinephrine) 1 in 1000 Injection:

- Other medicines to treat **high blood pressure** or **a heart condition.**
- Other medicines like adrenaline which **increase blood pressure** (for example ergot alkaloids or oxytocin).
- **Corticosteroids** (medicines used to treat inflammatory conditions in your body such as asthma or arthritis).
- **Aminophylline** and **Theophylline** (medicines to help you breathe).
- Any **cough** or **cold remedies.**
- **Antihistamines** (for the treatment of allergies).
- Medicines for **depression** or other **mental illness** (for example; monoamine oxidase inhibitors (MAOIs), tricyclic antidepressants, imipramine).
- Medicines to treat an underactive **thyroid** gland.
- Medicines to treat **Parkinson's disease** (for example levodopa or entacapone)

Pregnancy or breast feeding:

Please tell your **doctor or nurse** before being given this injection if you are **pregnant.** The doctor will then decide if the injection is suitable for you.

Please tell your **doctor or nurse** before being given this injection if you are **breast feeding** - this injection **should not be used** by nursing (breast feeding) mothers.

Driving and using machines:

You should **not drive or use machinery** if you are **affected** by the administration of Adrenaline (epinephrine) 1 in 1000 Injection.



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3. How to use Adrenaline (epinephrine) 1 in 1000 Injection

Your nurse or doctor will give you the injection.

Your doctor will decide the **correct dosage** for you and **how and when** the injection will be given. Your doctor or nurse will usually inject Adrenaline (Epinephrine) Injection BP 1:1000 into a muscle (Intramuscular - IM), however, in emergencies your doctor may give you a diluted injection into your vein (intravenous - IV).

If you use more Adrenaline (epinephrine) 1 in 1000 Injection than you should

Since the injection will be given to you by a doctor or nurse, it is **unlikely** that you will be given too much. **If you think you have been given too much**, you must tell the person giving you the injection.

Adrenaline must NOT be injected into **fingers, toes, ears, nose or genitalia**. Intramuscular injection in the buttocks should be avoided.

4. Possible side effects

Like all medicines, Adrenaline (epinephrine) 1 in 1000 Injection can cause side effects, although not everybody gets them.

- Allergic reactions to **Adrenaline** and to **Sodium Metabisulfite** (contained in this injection) have been reported. The possibility of these should **not stop** you from using this injection for the treatment of serious allergic reactions or other emergency situations. Tell your doctor immediately if you have any difficulty **breathing**, a **rash** or **itchy skin**.
- You may experience a feeling of **anxiety**, **fear**, **confusion** or **restlessness**.
- You may suffer from **headache** or **tremors**.
- If you suffer from **Parkinson's Disease**, you may notice that the symptoms or rigidity and tremor get worse.
- You may feel **weak** or **dizzy**.
- **High blood sugar** levels may occur.
- **Low** blood levels of **potassium** may occur.
- **Metabolic acidosis** (an in-balance of certain constituents in your blood) may occur.
- You may experience a **faster heart beat** or **high blood pressure**.
- You may experience **reduced blood flow** to your heart or a **heart attack**.
- You may experience **stress** which causes the symptoms of a **heart attack**.
- In **rare** cases the increase in blood pressure following Adrenaline Injection has caused **bleeding** around the brain and **paralysis**.
- You may experience **coldness** of the **extremities**.
- You may experience difficulty in **breathing** or **sweating**.
- You may experience **nausea** or **vomiting**.
- There may be some **tissue damage** at the site of injection after repeated injections of adrenaline, and elsewhere in the body (for example; in the fingers and toes, liver and kidney).
- You may find it difficult to **pass urine**.

If you think this injection is causing you **any problems**, or you are at all worried, **talk to your doctor, nurse or pharmacist**.

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**. By reporting side effects you can help provide more information on the safety of this medicine.

5. How to store Adrenaline (epinephrine) 1 in 1000 Injection

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

Your injection will be stored in a cool place and protected from light.

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

6. Contents of the pack and other information

What Adrenaline (epinephrine) 1 in 1000 Injection contains:

The active substance is adrenaline (epinephrine). Each ml of solution for injection contains 1 mg of adrenaline (epinephrine) as the acid tartrate.

The other ingredients are **sodium metabisulfite**, sodium chloride, sodium hydroxide, hydrochloric acid and water for injections.

What Adrenaline (epinephrine) 1 in 1000 Injection looks like and contents of the pack:

The injection is supplied in 1 ml clear glass ampoules. 10 ampoules supplied in each carton.

The marketing authorisation number of this medicine is: PL 01502/0024

Marketing Authorisation Holder:

hameln pharma ltd
Gloucester, United Kingdom

Manufacturer:

Siegfried Hameln GmbH
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For any information about this medicine, please contact the Marketing Authorisation Holder

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