

Glucose 50%

Consumer Medicine Information (CMI) summary

The [full CMI](#) on the next page has more details. If you are worried about using this medicine, speak to your doctor or pharmacist.

1. Why is this Glucose 50% being given?

Glucose 50% contains the active ingredient glucose (as anhydrous). Glucose 50% is used to treat low blood sugar levels. It may also be added to intravenous solutions as a source of calories for patients unable to consume food as well as used to treat pressure on the brain and spinal cord and/or swelling of the body caused from consuming too much alcohol.

For more information, see Section [1. Why is Glucose 50% being given?](#) in the full CMI.

2. What should I know before Glucose 50% is given?

Do not use if you have ever had an allergic reaction to Glucose 50% or any of the ingredients listed at the end of the CMI.

Talk to your doctor if you have any other medical conditions, take any other medicines, or are pregnant or plan to become pregnant or are breastfeeding.

For more information, see Section [2. What should I know before Glucose 50% is given?](#) in the full CMI.

3. What if I am using other medicines?

Some medicines may interfere with Glucose 50% and affect how it works.

A list of these medicines is in Section [3. What if I am using other medicines?](#) in the full CMI.

4. How is Glucose 50% given?

Your doctor will decide what dose of glucose you will receive and for how long you will receive it. This depends on your medical condition and other factors, such as your weight.

More instructions can be found in Section [4. How is Glucose 50% given?](#) in the full CMI.

5. What should I know while using Glucose 50%?

Things you should do	<ul style="list-style-type: none"> Remind any doctor, dentist or pharmacist you visit that Glucose 50% is being used.
Looking after the medicine	<ul style="list-style-type: none"> Glucose 50% will be stored in the surgery, pharmacy, or ward of a hospital. The injection is kept in a cool dry place where the temperature stays below 25°C. Glucose 50% will be opened for use on you. It will be used only once and then it will be discarded.

For more information, see Section [5. What should I know while using Glucose 50%?](#) in the full CMI.

6. Are there any side effects?

All medicines can have side effects. If you do experience any side effects, most of them are minor and temporary. However, some side effects may need medical attention. These include flushing causing redness over face and/or body. However, some side effects may require urgent medical attention. These include pain, burning or swelling at the site of injection, swelling of the hands, ankles or feet, symptoms caused by low levels of potassium, magnesium or phosphorus in the blood including drowsiness, loss of appetite, muscle twitching or trembling, nausea or vomiting, unusual tiredness or weakness, shortness of breath, wheezing or difficulty breathing, swelling of face lips tongue or other parts of the body, rash, itching or hives on the skin.

For more information, including what to do if you have any side effects, see Section [6. Are there any side effects?](#) in the full CMI.

Glucose 50%

Active ingredient: *glucose (as anhydrous)*

Consumer Medicine Information (CMI)

This leaflet provides important information about Glucose 50%. **You should also speak to your doctor or pharmacist if you would like further information or if you have any concerns or questions about using Glucose 50%.**

Where to find information in this leaflet:

1. [Why is Glucose 50% being given?](#)
2. [What should I know before Glucose 50% is given?](#)
3. [What if I am using other medicines?](#)
4. [How is Glucose 50% given?](#)
5. [What should I know while using Glucose 50%?](#)
6. [Are there any side effects?](#)
7. [Product details](#)

1. Why is Glucose 50% being given?

Glucose 50% contains the active ingredient glucose (as anhydrous). Glucose 50% is a sugar which provides energy for the body.

Glucose 50% is used to treat low blood sugar levels. It may also be:

- added to intravenous solutions as a source of calories for patients unable to consume food.
- used to treat pressure on the brain and spinal cord and/or swelling of the body caused from consuming too much alcohol.

Ask your doctor if you have any questions about why Glucose 50% has been prescribed for you.

Your doctor may have prescribed it for another reason.

2. What should I know before Glucose 50% is given?

Warnings

You should not be given Glucose 50% if:

- you are allergic to glucose (as anhydrous) or any of the ingredients listed at the end of this leaflet. Always check the ingredients to make sure you can use this medicine.
- **You have an allergy to:**
 - any medicine containing glucose
 - any medicine listed at the end of this leaflet
 - corn (maize) and corn products

- **You have of the following medical conditions:**
 - very high blood sugar levels
 - difficulty digesting sugars
 - unable to pass urine
 - bleeding in the brain
 - at risk of, or after a stroke
 - dehydration
- **The solution is discoloured, cloudy, turbid, or a precipitate or particles are present.**
This solution is normally a clear, colourless to faintly straw-coloured liquid.
- **If the solution causes a precipitate, discolouration or cloudiness to form when added to an intravenous (IV) solution.**
- **The medicine is after the expiry date printed on the pack, or if the packaging is torn or shows signs of tampering.** If you are given this medicine after the expiry date has passed, it may not work as well.
- **You are unsure whether you should be given this medicine talk to your doctor.**

Check with your doctor if you:

- Have any allergies to any other medicines, foods, preservatives or dyes.
- Have or have had any of the following medical conditions:
 - type II diabetes
 - severe under-nutrition
 - problems digesting carbohydrates or sugars
 - vitamin B1 (thiamine) deficiency
 - chronic alcoholism
 - low levels of potassium, magnesium or phosphorous
 - blood poisoning or serious infection
 - recent IV (intravenous) infusion
- Take any medicines for any other condition

During treatment, you may be at risk of developing certain side effects. It is important you understand these risks and how to monitor for them. See additional information under Section [6. Are there any side effects?](#)

Pregnancy and breastfeeding

Check with your doctor if you are pregnant or intend to become pregnant.

Talk to your doctor if you are breastfeeding or intend to breastfeed.

Your doctor can discuss with you the risks and benefits involved.

Children

- **If your child is to be given Glucose 50% tell your doctor if the mother suffers from diabetes.** Glucose 50% should be used with caution in infants with diabetic mothers.

3. What if I am using other medicines?

Tell your doctor or pharmacist if you are taking any other medicines, including any medicines, vitamins or supplements that you buy without a prescription from your pharmacy, supermarket or health food shop.

Some medicines may interfere with Glucose 50% and affect how it works. These include:

- corticosteroids
- corticotrophin

These medicines may be affected by Glucose 50% or may affect how well it works. You may need to take different medicines. You may need different amounts of your medicine, or you may need to take different medicines.

Check with your doctor or pharmacist if you are not sure about what medicines, vitamins or supplements you are taking and if these affect Glucose 50%.

4. How is Glucose 50% given?

How much to be given

- **Glucose 50% must only be given by a doctor or nurse** It is usually diluted by adding to an intravenous (IV) solution and then injected into a vein. It may also be directly injected slowly into a vein without being diluted for some medical conditions.
- Your doctor will decide what dose of glucose you will receive and for how long you will receive it. This depends on your medical condition and other factors, such as your weight.

If too much Glucose 50% is given

Glucose 50% must only be given by a nurse or a doctor, so an overdose is not likely to occur.

Immediately contact your doctor if you notice the following symptoms of an overdose:

- mental confusion
- dehydration causing thirst or lack of urination

If you think too much Glucose 50% is used, you may need urgent medical attention.

You should immediately:

- phone the Poisons Information Centre (**by calling 13 11 26**), or
- contact your doctor, or
- go to the Emergency Department at your nearest hospital.

You should do this even if there are no signs of discomfort or poisoning.

5. What should I know while using Glucose 50%?

Things you should do

If you are about to be started on any new medicine, remind your doctor and pharmacist that you have been given Glucose 50%.

If you are going to have surgery, tell the surgeon or anaesthetist that you have been given this medicine. It may interfere with the results of some tests.

Remind any doctor, dentist or pharmacist you visit that you are using Glucose 50%.

If you are about to have any blood tests, tell your doctor that you have been given this medicine. It may interfere with the results of some tests.

Drinking alcohol

Tell your doctor if you drink alcohol.

Looking after your medicine

- Glucose 50% will be stored in the surgery, pharmacy, or ward of a hospital. The injection is kept in a cool dry place where the temperature stays below 25°C.
- Glucose 50% will be opened for use on you. It will be used only once and then it will be discarded.

6. Are there any side effects?

All medicines can have side effects. If you do experience any side effects, most of them are minor and temporary. However, some side effects may need medical attention.

See the information below and, if you need to, ask your doctor or pharmacist if you have any further questions about side effects.

Do not be alarmed by the following list of side effects. You may not experience any of them.

Side effects

Less serious side effects	What to do
Skin related: <ul style="list-style-type: none"> • flushing causing redness over face and/or body 	Speak to your doctor if you have any of these less serious side effects and they worry you.

Serious side effects

Serious side effects	What to do
Localized symptoms: <ul style="list-style-type: none"> • pain, burning or swelling at the site of injection • swelling of the hands, ankles or feet 	Call your doctor straight away, or go straight to the Emergency

<p>General symptoms:</p> <ul style="list-style-type: none"> • symptoms caused by low levels of potassium, magnesium or phosphorous in the blood, including: <ul style="list-style-type: none"> ○ drowsiness ○ loss of appetite ○ muscle twitching or trembling ○ nausea or vomiting ○ unusual tiredness or weakness 	<p>Department at your nearest hospital if you notice any of these serious side effects.</p>
<p>Symptoms of allergic reactions</p> <ul style="list-style-type: none"> • shortness of breath • wheezing or difficulty breathing • swelling of face lips tongue or other parts of the body • rash, itching or hives on the skin 	

Tell your doctor or pharmacist if you notice anything else that may be making you feel unwell.

Some side effects can only be found when your doctor does tests from time to time to check your progress.

Other side effects not listed here may occur in some people.

Reporting side effects

After you have received medical advice for any side effects you experience, you can report side effects to the Therapeutic Goods Administration online at www.tga.gov.au/reporting-problems. By reporting side effects, you can help provide more information on the safety of this medicine.

Always make sure you speak to your doctor or pharmacist before you decide to stop taking any of your medicines.

7. Product details

This medicine is only available with a doctor's prescription.

What Glucose 50% contains

Active ingredient (main ingredient)	Glucose monohydrate
Other ingredients (inactive ingredients)	<ul style="list-style-type: none"> • water for injection • sodium bicarbonate • hydrochloric acid
Potential allergens	Glucose monohydrate

Do not take this medicine if you are allergic to any of these ingredients.

This medicine does not contain lactose, sucrose, gluten, tartrazine or any other azo dyes or preservatives.

What Glucose 50% looks like

Glucose 50% is a clear, colourless to faintly straw-coloured solution in a clear glass vial.

Glucose 50% is available in 50 mL vials, packaged in a pack of 10 (AUST R 12420).

Who distributes Glucose 50%

Phebra Pty Ltd
17-19 Orion Road
Lane Cove West, NSW 2066
Australia

Telephone: 1800 720 020

This leaflet was prepared in August 2025.

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