

PACKAGE LEAFLET: INFORMATION FOR THE USER

**selesyn® 100 micrograms/2 ml, solution for injection (50 micrograms/ml)
100 microgram selenium per 2 ml solution for injection**

**selesyn® 500 micrograms/10 ml, solution for injection (50 micrograms/ml)
500 microgram selenium per 10 ml solution for injection**

Active substance: Sodium selenite pentahydrate

Read all of this leaflet carefully before you start using this medicine.

- 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. Do not pass it on to others. It may harm them, even if their symptoms are the same as yours.
- If any of the side effects gets serious, or if you notice any side effects not listed in this leaflet, please tell your doctor or pharmacist.

In this leaflet:

1. What selesyn® solution for injection is and what it is used for
2. Before you use selesyn® solution for injection
3. How to use selesyn® solution for injection
4. Possible side effects
5. How to store selesyn® solution for injection
6. Further information

1. WHAT SELESYN® SOLUTION FOR INJECTION IS AND WHAT IT IS USED FOR

selesyn® solution for injection is a medicinal product which belongs to the group of the mineral supplements. Sodium selenite pentahydrate, the active substance in your solution for injection, provides a source of selenium, which is an essential trace element in nutrition to ensure that your metabolism functions efficiently.

Your doctor will have recommended this medicine because tests to measure the selenium levels in your blood have shown that you have a selenium deficiency, which cannot be corrected by selenium intake from food sources.

2. BEFORE YOU USE SELESYN® SOLUTION FOR INJECTION

Do not use selesyn® solution for injection

- if you are allergic (hypersensitive) to sodium selenite pentahydrate or any of the other ingredients of selesyn® solution for injection.
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- if you have a selenosis (selenium poisoning).

Take special care with selesyn® solution for injection

There are no special warnings or precautions for the use of selesyn® solution for injection.

Using other medicines

Please tell your doctor or pharmacist if you are taking or have recently taken any other medicines, including medicines obtained without a prescription.

It must be ensured that the solution is not mixed with reducing substances (e.g. vitamin C).

Pregnancy and breast-feeding

Ask your doctor or pharmacist for advice before taking any medicine.

Pregnancy:

There are no data from the use of selesyn® solution for injection in pregnant women. No adverse effect of sodium selenite on the pregnancy or the unborn child is expected, provided that it is used in case of proven selenium deficiency.

Breast-feeding:

Selenium is excreted into the breast milk. But doses correcting selenium deficiency in breast-feeding women are not expected to exert adverse effects on the breast-fed infant.

Driving and using machines

There is no effect on the ability to drive and use machines.

Important information about some of the ingredients of selesyn® solution for injection

selesyn® solution for injection contains less than 1 mmol sodium (23 mg) per ml, therefore it is essentially "sodium free".

3. HOW TO USE SELESYN® SOLUTION FOR INJECTION

Always use medicinal products exactly as your doctor has told you. You should check with your doctor or pharmacist if you are not sure.

selesyn® solution for injection is for single use only.

The usual daily dose is:

100 – 200 micrograms selenium (equivalent to 1 to 2 ampoules selesyn® 100 micrograms/2 ml, solution for injection or 2 – 4 ml selesyn® 500 micrograms/10 ml, solution for injection).

If the results from a blood test show that more selenium is required your doctor can increase the dose up to 500 micrograms selenium (equivalent to 5 ampoules selesyn® 100 micrograms/2 ml, solution for injection or 1 injection vial selesyn® 500 micrograms/10 ml, solution for injection).

Method of administration:

selesyn[®] solution for injection is always administered to you by a nurse or a doctor. selesyn[®] solution for injection is administered as an intramuscular (injection into the muscles) or intravenous (injection into a vein) injection.

Duration of treatment:

Samples of your blood will be taken from time to time and used to determine the levels of selenium in your blood in order to monitor the success of your treatment. As soon as your selenium levels will be normal your treatment with selesyn[®] solution for injection will be finished.

Dosage in children

If you are a child your doctor will prescribe you a dose of 2 micrograms/kg body weight per day at therapy onset and a maintenance dose of 1 microgram/kg body weight per day. Samples of your blood will be taken from time to time and used to determine the levels of selenium in your blood in order to monitor the success of your treatment.

In the table below you can find the maximum daily doses for children for a longer time:

Age (years)	Tolerable Upper Intake Level (micrograms selenium/day)
1-3	60
4-6	90
7-10	130
11-14	200
15-17	250

Dosage in patients with renal or hepatic impairment:

Your doctor will not prescribe a different dose if you have renal or hepatic impairment.

If you use more selesyn[®] solution for injection than you should

If you use more selesyn[®] solution for injection than you should the following symptoms may occur:

- acute (short-term): odour of garlic on the breath, tiredness, nausea, diarrhoea and abdominal pain or
- chronic (long-term) what can affect the growth of nails and hair and may lead to peripheral polyneuropathy (a disorder of a nerve or nervous pathway that may be associated with numbness or tingling).

If you forget to use selesyn[®] solution for injection

Do not use a double dose to make up for a forgotten injection.

If you stop using selesyn[®] solution for injection

There are no special instructions, if you stop using selesyn[®] solution for injection.

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

4. POSSIBLE SIDE EFFECTS

Like all medicines, selesyn[®] solution for injection can cause side effects, although not everybody gets them.

Frequency not known (cannot be estimated from the available data):
After intramuscular administration you may feel pain at the place, where your nurse or doctor has administered selesyn[®] solution for injection.

However, if you are given too much, the symptoms listed in the above section may be experienced.

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

HPRA Pharmacovigilance
Earlsfort Terrace
IRL - Dublin 2
Tel: +353 1 6764971
Fax: +353 1 6762517
Website: www.hpra.ie
e-mail: <mailto:medsafety@hpra.ie>

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

5. HOW TO STORE SELESYN[®] SOLUTION FOR INJECTION

Keep out of the reach and sight of children.

The nurse or doctor will administer you this medicine immediately after opening the ampoules or the vials.

The nurse or doctor will not administer you this medicine if the ampoule or the vial is damaged or if the solution is cloudy.

Do not use selesyn[®] solution for injection after the expiry date which is stated on the label on the ampoule or the vial and on the carton after "EXP". The expiry date refers to the last day of that month.

6. FURTHER INFORMATION

What selesyn[®] solution for injection contains

The active substance is:

Sodium selenite pentahydrate

The other ingredients are:

Sodium chloride, hydrochloric acid, water for injections

- selesyn[®] 100 micrograms/2 ml, solution for injection:
Each 2 ml injection ampoule contains 100 micrograms selenium in the form of 333 micrograms sodium selenite pentahydrate, corresponding to 50 micrograms/ml.
 - selesyn[®] 500 micrograms/10 ml, solution for injection:
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Each 10 ml injection vial contains 500 micrograms selenium in the form of 1,665 micrograms sodium selenite pentahydrate, corresponding to 50 micrograms/ml.

What selesyn[®] solution for injection looks like and contents of the pack

What selesyn[®] solution for injection looks like:

selesyn[®] solution for injection is a clear and colourless solution.

Contents of the pack:

- selesyn[®] 100 micrograms/2 ml, solution for injection:
Injection ampoules each containing 2 ml of injection solution are made of glass.
Pack sizes: 5, 10 and 50.
- selesyn[®] 500 micrograms/10 ml, solution for injection:
Injection vials each containing 10 ml of solution for injection are made of clear, colourless glass closed with steel blue chlorobutyl rubber stopper, aluminium flip-off cap with natural coloured PP disc or closed with grey bromobutyl rubber stopper, aluminium flip-off cap with grey PP disc. Pack sizes: 2 and 10.

Not all pack sizes may be marketed.

Marketing Authorisation Holder and Manufacturer

biosyn Arzneimittel GmbH
Schorndorfer Strasse 32
70734 Fellbach
Germany

This medicinal product is authorised in the Member States of the EEA under the following names:

- NL: selenase[®] oplossing voor injectie 100 µg, oplossing voor injectie 50 µg/ml
selenase[®] oplossing voor injectie 500 µg, oplossing voor injectie 50 µg/ml
- CZ: selenase[®] injekční roztok 500 µg, injekční roztok 50 µg/ml
- HU: selesyn[®] 100 microgramm, oldatos injekció
selesyn[®] 500 microgramm, oldatos injekció
- IE: selesyn[®] 100 micrograms/2 ml, solution for injection (50 micrograms/ml)
selesyn[®] 500 micrograms/10 ml, solution for injection (50 micrograms/ml)
- IT: selesyn[®] 100 mcg soluzione iniettabile
selesyn[®] 500 mcg soluzione iniettabile
- PT: selenase[®] solução injectável 100 microgramas
selenase[®] solução injectável 500 microgramas
- SK: selenase[®] injekčný roztok 100 µg, injekčný roztok 50 µg/ml
selenase[®] injekčný roztok 500 µg, injekčný roztok 50 µg/ml
- UK: selenase[®] 100 micrograms, solution for injection (50 micrograms/ml)
selenase[®] 500 micrograms, solution for injection (50 micrograms/ml)

This leaflet was last approved in 11/2023.

Further information for the medicinal staff

When preparing an infusion solution with selesyn[®] solution for injection as a supplement, it must be ensured that the pH value does not fall below 7.0 and that the solution is not

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mixed with reducing substances (e.g. vitamin C), as a precipitate of elemental selenium may possibly result. On grounds of safety, non-specific precipitation should be avoided after mixing infusion solutions with selesyn[®] solution for injection.

Elemental selenium is not soluble in an aqueous medium and has no biological availability.

When selesyn[®] solution for injection is administered as a supplement to general infusion solutions for total parenteral nutrition, a daily dose of 100 micrograms selenium (1 ampoule selesyn[®] 100 micrograms/2 ml, solution for injection) must be ensured. There is no time limit to the administration of selesyn[®] solution for injection in a supplementary dose (100 micrograms selenium per day = 1 ampoule selesyn[®] 100 micrograms/2 ml, solution for injection).

Selenium levels in the whole blood or serum should be determined in order to monitor the success of the therapy.

selesyn[®] solution for injection may be mixed with 0.9% NaCl.

The shelf-life of selesyn[®] solution for injection in the unopened ampoules or vials is 4 years.

Discard any unused contents.