

MEDICATION GUIDE

Epogen® (Ee-po-jen) (epoetin alfa)

Read this Medication Guide:

- before you start Epogen.
- if you are told by your healthcare provider that there is new information about Epogen.
- if you are told by your healthcare provider that you may inject Epogen at home, read this Medication Guide each time you receive a new supply of medicine.

This Medication Guide does not take the place of talking to your healthcare provider about your medical condition or your treatment. Talk with your healthcare provider regularly about the use of Epogen and ask if there is new information about Epogen.

What is the most important information I should know about Epogen?

Using Epogen can lead to death or other serious side effects.

For patients with cancer:

Your healthcare provider has received special training through the ESA APPRISE Oncology Program in order to prescribe Epogen. Before you can begin to receive Epogen, you must sign the patient-healthcare provider acknowledgment form. When you sign this form, you are stating that your healthcare provider talked with you about the risks of taking Epogen.

These risks include that your tumor may grow faster and you may die sooner if you choose to take Epogen.

You should talk with your healthcare provider about:

- Why Epogen treatment is being prescribed for you.
- What are the chances you will get red blood cell transfusions if you do not take Epogen.
- What are the chances you will get red blood cell transfusions even if you take Epogen.
- How taking Epogen may affect the success of your cancer treatment.

After you have finished your chemotherapy course, Epogen treatment should be stopped.

For all patients who take Epogen, including patients with cancer or chronic kidney disease:

- If you decide to take Epogen, your healthcare provider should prescribe the smallest dose of Epogen that is needed to reduce your chance of getting red blood cell transfusions.
- You may get serious heart problems such as heart attack, stroke, heart failure, and may die sooner if you are treated with Epogen to reach a normal or near-normal hemoglobin level.
- You may get blood clots at any time while taking Epogen. If you are receiving Epogen for any reason and you are going to have surgery, talk to your healthcare provider about whether or not you need to take a blood thinner to lessen the chance of blood clots during or following surgery. Clots can form in blood vessels (veins), especially in your leg (deep venous thrombosis or DVT). Pieces of a blood clot may travel to the lungs and block the blood circulation in the lungs (pulmonary embolus).

Call your healthcare provider or get medical help right away if you have any of these symptoms of blood clots:

- Chest pain
- Trouble breathing or shortness of breath
- Pain in your legs, with or without swelling

- A cool or pale arm or leg
- Sudden confusion, trouble speaking, or trouble understanding others' speech
- Sudden numbness or weakness in your face, arm, or leg, especially on one side of your body
- Sudden trouble seeing
- Sudden trouble walking, dizziness, loss of balance or coordination
- Loss of consciousness (fainting)
- Hemodialysis vascular access stops working

See “**What are the possible side effects of Epogen?**” below.

What is Epogen?

Epogen is a man-made form of the protein human erythropoietin that is given to reduce or avoid the need for red blood cell transfusions. Epogen stimulates your bone marrow to make more red blood cells. Having more red blood cells raises your hemoglobin level. If your hemoglobin level stays too high or if your hemoglobin goes up too quickly, this may lead to serious health problems which may result in death. These serious health problems may happen even if you take Epogen and do not have an increase in your hemoglobin level.

Epogen may be used to treat a lower than normal number of red blood cells (anemia) if it is caused by:

- Chronic kidney disease (you may or may not be on dialysis).
- Chemotherapy that will be used for at least two months after starting Epogen.
- A medicine called zidovudine (AZT) used to treat HIV infection.

Epogen may also be used to reduce the chance you will need red blood cell transfusions if you are scheduled for certain surgeries where a lot of blood loss is expected.

Epogen should not be used for treatment of anemia:

- If you have cancer and you will not be receiving chemotherapy that may cause anemia for at least 2 more months.
- If you have a cancer that has a high chance of being cured.
- In place of emergency treatment for anemia (red blood cell transfusions).

Epogen has not been proven to improve quality of life, fatigue, or well-being.

Epogen should not be used to reduce the chance of red blood cell transfusions if:

- You are scheduled for surgery on your heart or blood vessels
- You are able and willing to donate blood prior to surgery

Who should not take Epogen?

Do not take Epogen if you:

- Have cancer and have not been counseled by your healthcare provider regarding the risks of Epogen or if you have not signed the patient-healthcare provider acknowledgment form before you start Epogen treatment.
- Have high blood pressure that is not controlled (uncontrolled hypertension).
- Have been told by your healthcare provider that you have or have ever had a type of anemia called Pure Red Cell Aplasia (PRCA) that starts after treatment with Epogen or other erythropoietin protein medicines.
- Have had a serious allergic reaction to Epogen.

Do not give Epogen from multidose vials to:

- Pregnant or breastfeeding women

- Babies

What should I tell my healthcare provider before taking Epogen?

Epogen may not be right for you. **Tell your healthcare provider about all your health conditions**, including if you:

- Have heart disease.
- Have high blood pressure.
- Have had a seizure (convulsion) or stroke.
- Have any other medical conditions.
- Are pregnant or planning to become pregnant. It is not known if Epogen may harm your unborn baby. Talk to your healthcare provider about possible pregnancy and birth control choices that are right for you. If you are pregnant, discuss with your healthcare provider about enrolling in Amgen’s Pregnancy Surveillance Program or call 1-800-772-6436 (1-800-77-AMGEN).
- Are breast-feeding or planning to breast-feed. It is not known if Epogen passes into breast milk.

Tell your healthcare provider about all the medicines you take, including prescription and nonprescription medicines, vitamins, and herbal supplements.

Know the medicines you take. Keep a list of your medicines with you and show it to your healthcare provider when you get a new medicine.

How should I take Epogen?

See **“What is the most important information I should know about Epogen?”**

For patients with cancer:

Before you begin to receive Epogen, your healthcare provider will:

- Ask you to review this Epogen Medication Guide.
- Explain the risks of Epogen and answer all your questions about Epogen.
- Have you sign the patient-healthcare provider acknowledgment form.

For all patients who take Epogen:

- Continue to follow your healthcare provider’s instructions for diet and medicines, including medicines for high blood pressure, while taking Epogen.
- Have your blood pressure checked as instructed by your healthcare provider.
- If you or your caregiver has been trained to give Epogen shots (injections) at home:
 - Be sure that you read, understand, and follow the “Instructions for Use” that come with Epogen.
 - Take Epogen exactly as your healthcare provider tells you to. Do not change the dose of Epogen unless told to do so by your healthcare provider.
 - Your healthcare provider will show you how much Epogen to use, how to inject it, how often it should be injected, and how to safely throw away the used vials, syringes, and needles.
 - If you miss a dose of Epogen, call your healthcare provider right away and ask what to do.
 - If you take more than the prescribed amount of Epogen, call your healthcare provider right away.

What are the possible side effects of Epogen?

Epogen may cause serious side effects.

- See **“What is the most important information I should know about Epogen?”**

- **High blood pressure.** High blood pressure is a common side effect of Epogen in patients with chronic kidney disease. Your blood pressure may go up or be difficult to control with blood pressure medicine while taking Epogen. This can happen even if you have never had high blood pressure before. Your healthcare provider should check your blood pressure often. If your blood pressure does go up, your healthcare provider may prescribe new or more blood pressure medicine.
- **Seizures.** If you have any seizures while taking Epogen, get medical help right away and tell your healthcare provider.
- **Antibodies to Epogen.** Your body may make antibodies to Epogen. These antibodies can block or lessen your body's ability to make red blood cells and cause you to have severe anemia. Call your healthcare provider if you have unusual tiredness, lack of energy, dizziness, or fainting. You may need to stop taking Epogen.
- **Serious allergic reactions.** Serious allergic reactions can cause a rash over your whole body, shortness of breath, wheezing, dizziness and fainting because of a drop in blood pressure, swelling around your mouth or eyes, fast pulse, or sweating. If you have a serious allergic reaction, stop using Epogen and call your healthcare provider or get medical help right away.
- **Dangers of giving Epogen to newborns, infants, and pregnant or breastfeeding women.** Do not use Epogen from multi-dose vials in newborns, infants, pregnant or breastfeeding women because the Epogen in these vials contains benzyl alcohol. Benzyl alcohol has been shown to cause brain damage, other serious side effects, and death in newborn and premature babies. Epogen that comes in single-dose vials does not contain benzyl alcohol. **See "Who should not take Epogen?"**

Common side effects of Epogen include:

- joint, muscle, or bone pain
- fever
- cough
- rash
- nausea
- vomiting
- soreness of mouth
- itching
- headache
- redness and pain in the skin where Epogen shots were given

These are not all of the possible side effects of Epogen. Your healthcare provider can give you a more complete list. Tell your healthcare provider about any side effects that bother you or that do not go away.

Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

How should I store Epogen?

- Do not shake Epogen.
- Protect Epogen from light.
- Store Epogen in the refrigerator between 36°F to 46°F (2°C to 8°C).
- **Do not freeze Epogen.** Do not use Epogen that has been frozen.
- Throw away multidose vials of Epogen no later than 21 days from the first day that you put a needle into the vial.
- Single-dose vials of Epogen should be used only one time. Throw the vial away after use even if there is medicine left in the vial.

Keep Epogen and all medicines out of the reach of children.

General information about Epogen

Medicines are sometimes prescribed for purposes other than those listed in a Medication Guide. Use Epogen only for the condition for which it has been prescribed. Do not give Epogen to other patients even if they have the same symptoms that you have. It may harm them.

This Medication Guide summarizes the most important information about Epogen. If you would like more information about Epogen, talk to your healthcare provider. You can ask your healthcare provider or pharmacist for information about Epogen that is written for healthcare professionals. For more information, go to the following website: www.epogen.com or call 1-800-77-AMGEN.

What are the ingredients in Epogen?

Active Ingredient: epoetin alfa

Inactive Ingredients:

- Multidose vials contain benzyl alcohol.
- All vials contain albumin (human), sodium citrate, sodium chloride, and citric acid.
- Single-dose vials containing 40,000 Units of Epogen also contain sodium phosphate monobasic monohydrate and sodium phosphate dibasic anhydrate.

This Medication Guide has been approved by the U.S. Food and Drug Administration.



Manufactured by:

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