

PRESCRIBING INFORMATION

Bincort is a biosimilar medicinal product.

1. NAME OF THE MEDICAL PRODUCT

- Bincort 1,000 IU/0.5 ml solution for injection in a pre-filled syringe**
- Bincort 2,000 IU/1 ml solution for injection in a pre-filled syringe**
- Bincort 3,000 IU/0.3 ml solution for injection in a pre-filled syringe**
- Bincort 4,000 IU/0.4 ml solution for injection in a pre-filled syringe**
- Bincort 5,000 IU/0.5 ml solution for injection in a pre-filled syringe**
- Bincort 6,000 IU/0.6 ml solution for injection in a pre-filled syringe**
- Bincort 8,000 IU/0.8 ml solution for injection in a pre-filled syringe**
- Bincort 10,000 IU/1 ml solution for injection in a pre-filled syringe**
- Bincort 20,000 IU/0.5 ml solution for injection in a pre-filled syringe**
- Bincort 40,000 IU/1 ml solution for injection in a pre-filled syringe**

2. QUALITATIVE AND QUANTITATIVE COMPOSITION

- Bincort 1,000 IU/0.5 ml:** Each 0.5 ml solution contains 2,000 IU of epoetin alfa* corresponding to 16.8 micrograms per ml. 1 pre-filled syringe of 0.5 ml contains 1,000 international units (IU) corresponding to 8.4 micrograms epoetin alfa.
- Bincort 2,000 IU/1 ml:** Each 1 ml solution contains 2,000 IU of epoetin alfa* corresponding to 16.8 micrograms per ml. 1 pre-filled syringe of 1 ml contains 2,000 international units (IU) corresponding to 16.8 micrograms epoetin alfa.
- Bincort 3,000 IU/0.3 ml:** Each ml of solution contains 10,000 IU of epoetin alfa* corresponding to 84.0 micrograms per ml. 1 pre-filled syringe of 0.3 ml contains 3,000 international units (IU) corresponding to 25.2 micrograms epoetin alfa.
- Bincort 4,000 IU/0.4 ml:** Each ml of solution contains 10,000 IU of epoetin alfa* corresponding to 84.0 micrograms per ml. 1 pre-filled syringe of 0.4 ml contains 4,000 international units (IU) corresponding to 33.6 micrograms epoetin alfa.
- Bincort 5,000 IU/0.5 ml:** Each ml of solution contains 10,000 IU of epoetin alfa* corresponding to 84.0 micrograms per ml. 1 pre-filled syringe of 0.5 ml contains 5,000 international units (IU) corresponding to 42.0 micrograms epoetin alfa.
- Bincort 6,000 IU/0.6 ml:** Each ml of solution contains 10,000 IU of epoetin alfa* corresponding to 84.0 micrograms per ml. 1 pre-filled syringe of 0.6 ml contains 6,000 international units (IU) corresponding to 50.4 micrograms epoetin alfa.
- Bincort 8,000 IU/0.8 ml:** Each ml of solution contains 10,000 IU of epoetin alfa* corresponding to 84.0 micrograms per ml. 1 pre-filled syringe of 0.8 ml contains 8,000 international units (IU) corresponding to 67.2 micrograms epoetin alfa.
- Bincort 10,000 IU/1 ml:** Each ml of solution contains 10,000 IU of epoetin alfa* corresponding to 84.0 micrograms per ml. 1 pre-filled syringe of 1 ml contains 10,000 international units (IU) corresponding to 84.0 micrograms epoetin alfa.
- Bincort 20,000 IU/0.5 ml:** Each ml of solution contains 40,000 IU of epoetin alfa* corresponding to 336.0 micrograms per ml. 1 pre-filled syringe of 0.5 ml contains 20,000 international units (IU) corresponding to 168.0 micrograms epoetin alfa.
- Bincort 30,000 IU/0.75 ml:** Each ml of solution contains 40,000 IU of epoetin alfa* corresponding to 336.0 micrograms per ml. 1 pre-filled syringe of 0.75 ml contains 30,000 international units (IU) corresponding to 252.0 micrograms epoetin alfa.
- Bincort 40,000 IU/1 ml:** Each ml of solution contains 40,000 IU of epoetin alfa* corresponding to 336.0 micrograms per ml. 1 pre-filled syringe of 1 ml contains 40,000 international units (IU) corresponding to 336.0 micrograms epoetin alfa.

3. PHARMACEUTICAL FORM

Solution for injection in a pre-filled syringe (injection)

Bincort is a biosimilar medicinal product that has been demonstrated to be similar in quality, safety and efficacy to the reference medicinal product Eprex. Please be aware of any differences in the indications between the biosimilar medicinal product and the reference medicinal product. The biosimilar is not to be switched with the reference medicinal product unless specifically stated otherwise. More detailed information regarding biosimilar medicinal products is available on the website of the Ministry of Health: <http://www.health.gov.sg/Units/Office/Ho/MTI/Drugs/Registration/Pages/Biosimilars.aspx>

4. CLINICAL PARTICULARS

4.1 Therapeutic indications

Bincort is indicated for the treatment of symptomatic anaemia associated with chronic renal failure (CRF).

- in adults and children aged 1 to 18 years on haemodialysis and adult patients on peritoneal dialysis (see section 4.4);
- in adult patients with renal insufficiency not yet undergoing dialysis for the treatment of severe anaemia of renal origin accompanied by clinical symptoms in patients (see section 4.4).

Bincort is indicated in adult patients receiving chemotherapy for solid tumours, malignant lymphoma or multiple myeloma, and at risk of transfusion as assessed by the patient's general status (e.g. cardiovascular, pre-existing anaemia at the start of chemotherapy) for the treatment of anaemia and reduction of transfusion requirements.

Bincort is indicated in adults in a predonation programme to increase the yield of autologous blood. Treatment should only be given to patients with moderate anaemia (haemoglobin (Hb) concentration range between 10-13 g/dl (6.2-8.1 mmol/l), no iron deficiency), if blood saving procedures are not available or insufficient when the patient requires a large volume of blood (4 or more units of blood for females or 5 or more units for males).

Bincort is indicated for non-iron deficient adult prior to major elective orthopaedic surgery, having a high perceived risk for transfusion complications to reduce exposure to allogeneic blood transfusions. Use should be restricted to patients with moderate anaemia (haemoglobin concentration between 10-13 g/dl or 6.2-8.1 mmol/l) who do not have an autologous predonation programme available and with an expected blood loss (900 to 1800 ml).

4.2 Posology and method of administration

Treatment with Bincort has to be initiated under the supervision of physicians experienced in the management of patients with the above indications.

Posology

All other causes of anaemia (iron, folate or vitamin B₁₂ deficiency, aluminium intoxication, infection or inflammation, blood loss, haemolysis and bone marrow fibrosis of any origin) should be evaluated and treated prior to initiating therapy with epoetin alfa and vasoconstrictor agents (including cerebral infarction, cerebral thrombosis, pulmonary embolism, and ocular vascular accident).

A slower injection is preferable in patients who react to the treatment with "flu-like" symptoms (see section 4.8).

In patients with chronic renal failure where intravenous access is routinely available (haemodialysis patients) administration of Bincort by the intravenous route is preferable.

When intravenous access is not readily available (patients not yet undergoing dialysis or peritoneal dialysis patients) Bincort may be administered as a subcutaneous injection.

Treatment of adult patients with chemotherapy-induced anaemia
Bincort should be administered as a subcutaneous injection.

Treatment of adult surgery patients in an autologous predonation programme
Bincort should be administered by the intravenous route.

Treatment of adult patients scheduled for major elective orthopaedic surgery
Bincort should be administered as a subcutaneous injection.

Treatment of symptomatic anaemia in paediatric chronic renal failure patients on haemodialysis
In paediatric patients with chronic renal failure where intravenous access is routinely available (haemodialysis patients) administration of Bincort by the intravenous route is preferable.

Treatment of adult patients with chemotherapy-induced anaemia
Bincort should be administered as a subcutaneous injection.

Treatment of symptomatic anaemia in paediatric chronic renal failure patients on haemodialysis
In paediatric patients with chronic renal failure where intravenous access is routinely available (haemodialysis patients) administration of Bincort by the intravenous route is preferable.

Subcutaneous administration:
A maximum volume of 1 ml at one injection site should generally not be exceeded. In case of larger volumes, more than one site should be chosen for the injection. The injections are given at least 2 weeks apart.

In those situations in which the physician determines that a patient or caregiver can safely and effectively administer Bincort subcutaneously, instruction as to the proper dosage and administration should be provided.

Graduation rings
These indications contains graduation rings to provide for the administration of a part of the dose (see section 6.6). However the product is for single use only. Only one dose of Bincort from each syringe should be taken.

Instructions on how to inject Bincort yourself can be found at the end of the treatment box.

4.3 Contraindications

- Hypersensitivity to the active substance or to any of the excipients listed in section 6.1; "List of excipients"
- Patients who develop Pure Red Cell Aplasia (PRCA) following treatment with any erythropoietin should receive Bincort or any other erythropoietin (see section 4.4); "special warnings and precautions for use"
- Uncontrolled hypertension.

All contraindications associated with autologous blood predonation programme should be respected by patients being scheduled with Bincort.

The use of Bincort in patients scheduled for major elective orthopaedic surgery and not participating in an autologous blood predonation programme is contraindicated in patients with severe coronary, peripheral arterial, carotid or cerebral vascular disease, including patients with recent myocardial infarction or cerebral vascular accident.

- Surgery patients who for any reason cannot receive adequate antibiotic prophylaxis.

4.4 Special warnings and precautions for use
General
In all patients receiving Bincort, blood pressure should be closely monitored and controlled as necessary. Bincort should be used with caution in the presence of untreated, inadequately treated or poorly controllable hypertension. It may be necessary to add or increase antihypertensive treatment. If blood pressure cannot be controlled, Bincort treatment should be discontinued.

Hypertensive crisis with encephalopathy and seizures, requiring the immediate attention of a physician and intensive medical care, have occurred also during epoetin alfa treatment in patients with previously normal or low blood pressure. Particular attention should be paid to sudden stabbing migraine-like headaches as a possible warning signal (see section 4.4); "Undesirable effects"

Epoetin alfa should also be used with caution in patients with epilepsy, history of seizures, or medical condition associated with a predisposition to seizure activity such as CNS infections and brain metastases.

Epoetin alfa should be used with caution in patients with chronic liver failure. The safety of epoetin alfa has not been established with hepatic dysfunction.

An increased incidence of thrombotic vascular events (TVEs) has been observed in patients receiving ESAs (see section 4.8). These include venous and arterial thromboses and embolism (including some with fatal outcomes), such as deep venous thrombosis, pulmonary emboli, retinal thrombosis, and myocardial infarction.

For patients treated for major elective orthopaedic surgery, the following events of cerebral haemorrhage and transient ischaemic attacks) have been reported.

The reported risk of these TVEs should be carefully weighed against the benefits to be derived from treatment with epoetin alfa prior to initiation of the autologous predonation programme for TVE, including obesity and prior history of TVEs (e.g. deep venous thrombosis, pulmonary embolism, and cerebral vascular accident).

In all patients, haemoglobin levels should be closely monitored due to a potential increased risk of thromboembolic events and fatal outcomes when patients are treated at haemoglobin levels above the concentration range for the indication of use.

There may be a moderate dose-dependent rise in the platelet count within the therapeutic concentration range of epoetin alfa. This rises during the course of continued therapy. In addition, thrombocythaemia above the normal range has been reported. It is recommended that the platelet count is regularly monitored during the first 8 weeks of therapy.

All other causes of anaemia (iron, folate or vitamin B₁₂ deficiency, aluminium intoxication, infection or inflammation, blood loss, haemolysis and bone marrow fibrosis of any origin) should be evaluated and treated prior to initiating therapy with epoetin alfa, and when deciding to increase the dose. In most cases, the ferritin values in the serum fall simultaneously with the rise in packed cell volume. In order to avoid iron deficiency, adequate iron stores should be maintained and iron supplementation should be administered if necessary (see section 4.2).

For the selection of the best treatment option according to the patient's needs, current treatment guidelines on iron supplementation in combination with those instructions contained in the package insert of the SPC of the iron medication should be followed.

For patients in an autologous predonation programme, iron supplementation should be administered several weeks prior to initiating the autologous predonation programme to achieve high iron stores prior to starting epoetin alfa therapy, and throughout the course of epoetin alfa therapy.

For patients scheduled for major elective orthopaedic surgery, iron supplementation should be administered throughout the course of epoetin alfa therapy. If possible, iron supplementation should be initiated prior to starting epoetin alfa therapy to achieve adequate iron stores.

Very rarely, development of or exacerbation of porphyria has been observed in epoetin alfa-treated patients. Epoetin alfa should be used with caution in patients with porphyria.

Severe cutaneous adverse reactions (SCARs) including Stevens-Johnson syndrome (SJS) and toxic epidermal necrolysis (TEN), which can be life-threatening or fatal, have been reported in association with epoetin treatment. More severe cases have been observed with long-acting epoetins.

At the time of prescription patients should be advised of the signs and symptoms and monitored closely for skin reactions. If signs and symptoms suggestive of these reactions appear, Bincort should be withdrawn immediately and an alternative treatment should be initiated.

If the patient has developed a severe cutaneous skin reaction such as SJS or TEN due to the use of Bincort, treatment with Bincort must not be restarted in this patient in any form.

In order to improve the traceability of erythropoiesis-stimulating agents (ESAs), the traceability of the administered ESA should be clearly recorded (or stated) in the patient file.

Patients should only be switched from one ESA to another under appropriate supervision.

month, or if the haemoglobin exceeds 12 g/dl (7.5 mmol/l), reduce the Bincort dose by 25% to 50%. If the haemoglobin exceeds 13 g/dl (8.1 mmol/l), discontinue therapy at once. If the haemoglobin is < 10 g/dl (6.2 mmol/l), then reinstitute Bincort therapy at a dose 25% below the previous dose.

The recommended dosing regimen is described in the following diagram:

