

Erythropoiesis-stimulating agents

Essential medicine status

General description

Erythropoiesis-stimulating agents (ESAs) are biological proteins that stimulate the production of red blood cells. They are indicated for treatment of anaemia associated with chronic kidney disease.

INN

Epoetin alfa

ATC codes

[B03XA03](#) [B03XA01](#) [B03XA02](#)

Medicine type

Chemical agent

EML status history

First added in 2017 ([TRS 1006](#)) for [Anaemia due to chronic disease](#)

Application rejected in 2025 ([TRS 1064](#)) for [Drug-induced aplastic anaemia](#)

Wikipedia

[Erythropoiesis-stimulating agents](#)

DrugBank

[Erythropoiesis-stimulating agents \(Erythropoietin\)](#)

Recommendations

Section

Antianaemia medicines

- Parenteral > General injections > unspecified: 1000 IU per 0.5 mL pre-filled syringe; 2000 IU per 0.5 mL pre-filled syringe; 3000 IU per 0.3 mL pre-filled syringe; 4000 IU per 0.4 mL pre-filled syringe; 5000 IU per 0.5 mL pre-filled syringe; 6000 IU per 0.6 mL pre-filled syringe; 8000 IU per 0.8 mL pre-filled syringe; 10000 IU per 1 mL pre-filled syringe; 20000 IU per 0.5 mL pre-filled syringe; 40000 IU per 1 mL pre-filled syringe

Indications

[Anaemia due to chronic disease](#)

Section

Supportive medicines

- Parenteral > General injections > unspecified: 2000 IU per mL in vial (single-dose); 3000 IU per mL in vial (single-dose); 4000 IU per mL in vial (single-dose); 10000 IU per mL in vial (single-dose); 40000 IU per mL in vial (single-dose); 20000 IU per mL in vial (multiple-dose); 20000 IU per 2 mL in vial (multiple-dose)

Indications

[Drug-induced aplastic anaemia](#)