

150 mcg / 0.6 mL & 300 mcg / 1.2 mL **Growth Hematopoietic Factor**

DescriptionFilgrastim (Macroleuco*) is a clear, colorless aqueous solution for parenteral administration.

he quantitative composition of Filgra	astim (Macroleuco=) is ;	
Composition	150 mcg 0.6 mL/vial	300 mcg 1.2 mL/vial
Filgrastim (Host cell : E.coli K-12 W3110 Vector : pCSF451)	150 mcg	300 mcg
Polysorbate 80 (USP)	0.024 mg	0.048mg
Acetic acid (USP)	0.36 mg	0.72mg
Mannitol (USP)	30 mg	60 mg
Sodium hydroxide (USP)	q.s.	q.s.
Water for Injection (USP)	q.s.	q.s.
Ad	0,6mL	1,2 mL

Dosage and Administration
1) Cancer Patients Receiving Myelosuppressive Chemotherapy
In adults and children, the usual dosage for subcutaneous use is 100 ug/m¹ (adults) and 50
ug/m² (children) of Filgastim (Macroleucro) noce dally for 10 days.
Administration should start following cancer chemotherapy (on the next day or later), To
patients in whose case subcutaneous injection is not appropriate due to a bleeding
tendency, etc., 100 ug/m² of Filgrastim (Macroleucro) should be administered intravenously

2) Patients With Acute Myeloid Leukemia (AML) Receiving Induction Chemotherapy
In adults and children, the usual dosage for intravenous use (including intravenous dip
Infusion) is 200 ug/m² of Filgratim (Macroleuce) once dally.
Administration should start following cancer chemotherapy (on the next day or later) when
myeloblasts have sufficiently decreased and are not observed in peripheral blood,
However, administration should be discontinued when the neutrophil count increases to
5,000/mm² after the period in which the lowest neutrophil count was observed,

1) Patients with known hypersensitivity to any Filgrastim or G-CSF drug.
 2) Patients with myeloid leukemia, who show the appearance of promyelocy and myeloblast in peripheral blood.

Warnings 1) Patients with history of drug hypersensitivity.

Patients with allergic disposition.
 Patients with serious hepatic failure, renal failure and cardiopulmonary function.

Adverse Reactions

CSF, Filgrastim), which promotes the proliferation and differentiation of neutrophil precursors, the secretion of mature neutrophils from bone marrow, and enhances the function of mature neutrophils. Filgrastim (Macroleuco') was developed by Dong-A ST Co., Ltd. and is manufactured based on genetic engineering, Filgrastim (Macroleuco') has been verified for its safety and effect on neutropenia through clinical trials.

Adverse Reactions

- Peripheral Blood Progenitor Cells Mobilization Donors

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- Peripheral

abnormalities in laboratory data included increased LDH in 44 events (86.3%), increased ALP in 35 events (68.6%), leukopenia/neutropenia in 15 events (29.4%), increased LRP in 35 events (68.6%), leukopenia/neutropenia in 15 events (9.4%), increased cRP in 6 events (11.8%).

Neutropenia Patients
Adverse reactions, including abnormalities in laboratory data, to Filgrastim (Macroleucor) were reported in 679 (10.6%) of 6.391 patients treated. The most frequently observed adverse reactions included skeletal pain (chest, lumbar region, pelvis, etc.) in 97 events (1.5%), fever in 73 events (1.1%), lumbar pain in 52 events (0.8%), and abnormal hepatic function in 39 events (0.6%). The most frequently observed abnormalities in laboratory data included increased LDH in 222 events (3.5%), increased ALP in 202 events (3.2%), increase ALT (GPT) in 68 events (1.1%), and increased AST (GDT) in 51 events (0.8%). 1 Shock: Filgrastim (Macroleucor) may cause shock. Adequate monitoring should be made. Filgrastim (Macroleucor) and the shock and propriate therapy instituted when abnormal symptoms are seen.

2) Digestive system: Nausea and vomitting may occur at times. Rarely stomatitis and stomachache may occur.

stomachache may occur,

3) Respiratory system

1 As Filgrastim (Macroleuco') may cause the manifestation or exacerbation of interstitial pneumonia, adequate monitoring should be made. Filgrastim (Macroleuco') should be discontinued and appropriate therapy such as corticosteroid administration instituted if pyrexia, cough, dyspnea, or abnormality in chest X-ray test occur.

2 As Filgrastim (Macroleuco') may cause the manifestation of Acute Respiratory Distress Syndrome, adequate monitoring should be made. Filgrastim (Macroleuco') should be discontinued and appropriate therapy such as breathing care instituted if dyspnea, hypoxia and bilateral obese pulmonary infiltration which are rapidly progressed, or abnormality in chest X-ray test occur.

Indications and Usage
Filgrastim (Macroleuco') is indicated to accelerate the recovery of neutropenia in patients with cancer receiving myelosuppressive chemotherapy and neutropenia in patients with Acute Myelogenous Leukemia receiving induction chemotherapy.

Dosage and Administration

Dosage and Administration

1) Cancer Patients Receiving Myelosuppressive Chemotherapy
In adults and children, the usual dosage for subcutaneous use is 100 ug/m² (adults) and 50 ug/m² (children) of Filorastim (Macroleuco') should be discontinued and appropriate by addominal ultrasound and hematological succession. If a sudden enlargement of the spleen is observed, Filgrastim (Macroleuco') should be discontinued and appropriate prevail to the spleen is observed, Filgrastim (Macroleuco') should be discontinued and appropriate prevail to the spleen is observed, Filgrastim (Macroleuco') should be discontinued and appropriate prevail to the spleen is observed.

and appropriate therapy instituted.

5) Dermatological: Skiri disorder (Sweet syndrome, etc) which accompanies neutrophil infiltration, painful erythema, fever may occur. Rash, rubor, itch, wheal, and skin trouble may rarely occur.

) Musculoskeletal system : Ostealgia, lumbago, myalgia may occur at times. Rarely

(including intravenous drip intuision) once daily.

Nowever, administration should be discontinued when the neutrophil count increases to 5,000/mm² after the period in which the lowest neutrophil count was observed.

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Musculoskeletal system: myalgia (5,8%)
Digestive system: stomatist (0,4%), stomach-ache (0,6%)
Body as a whole: rigor (0.9%), asthenia (0.9%), edema (0.3%), the limbs edema (0.1%), ain (0.4%)
Alemous system: neuropathy (0.1%)
Dermatological: itch (0.3%), wheal (0.1%), skin trouble (0.1%)
Respiratory system: nasal bleeding (0.1%), sore throat

General Precautions

1) Periodic blood tests should be performed during the period of treatment with Filgrastim (Macroleuco') in order to prevent an excessive increase in neutrophils (WBC).

2) Anaphylaxis, etc., may occur. If such reactions are observed, administration should be discontinued immediately, and appropriate therapy instituted. To assess the risk of

hypersensitivity, a careful interview of the patient and a skin reaction test is recommended before administration.

3) Skeletal pain and lumbar pain, etc. may occur after administration of Filgrastim (Macroleuco*). If such symptoms are observed, a non-narcotic analgesic should be administered or other appropriate therapeutic measures should be taken, in case of peripheral blood progenitor cells mobilization donois, a non-narcotic analgesic should be administered or other appropriate therapeutic measures should be taken, in case of peripheral blood progenitor cells made lumbar pain, etc. after administration of Filgrastim (Macroleuco*) in pregnant women or women who may possibly be pregnant is not recommended of the proposal propos

Administration to the elderly
2 In the patients with acute myeloid leukemia (in case of cancer chemotherapy transplantation of hematopoietic stem cell), the reaction of increase in leukemic cell responding to Filgrastim (Macroleuco') should be confirmed in vitro prior to Filgrastim (Macroleuco') should be confirmed in vitro prior to Filgrastim (Macroleuco') should be confirmed in vitro prior to Filgrastim (Macroleuco') should be taken in dosage and administration interval according to each patient's condition.

5) The caution for the administration to neutropenia, which is accompanied with

myelodysplastic syndrome.

It is known that myelodysplastic syndrome accompanied by an increase in myeloblasts may develop into myelogenous leukemia. Therefore, it is recommended to confirm in vitro before administration that there is no evidence of an increase in blast colony.

3) Do not shake.

It is known that myelodysplastic syndrome accompanied by an increase in myelodeness and speed on the myelogenous leukemia. Therefore, it is recommended to confirm in vitro before administration that there is no evidence of an increase in blast colony of mation in collected cells.

6) For patients with acute myelogenous leukemia (treated with cancer chemotherapy and bone marrow transphantation), it is recommended to confirm before administration whether Filgrastim (Macroleucor) stimulates the proliferation of leukemia cells by conducting an in vitro study using collected cells. Periodic blood tests and bone marrow transphantation), the recommended to confirm before administration of Filgrastim (Macroleucor) stimulates the proliferation of leukemia cells by conducting an in vitro study using collected cells. Periodic blood tests and bone marrow transphantation of Filgrastim (Macroleucor) should be discontinued.

7) The caution for the administration to neutropenia conflicting with the treatment of HIV infections, for patients with neutropenia conflicting with the treatment of HIV infections, for patients with neutropenia conflicting with the treatment of HIV infections, for patients with neutropenia conflicting with the treatment of HIV infections, for patients with neutropenia conflicting with the treatment of HIV infections, for patients with neutropenia conflicting with the treatment of HIV infections, for patients with neutropenia conflicting with the treatment of HIV infections, for patients with neutropenia on fill patients received continued.

8) It has been reported that the charge and administration of the safety of Filgrastim (Macroleucor) may be reduced.). In cases in which no increase in neutrophile counts of been established.) The product for 1 week or burst of the expensive increase in neutrophile (granulophile (granulophile granulophile granulop

being collected.

3 Clinical experience of Filgrastim (Macroleuco*) in donors is limited, Macroleuco* should be administered with care while dosely monitoring the condition of the donor after taking donor's general condition into consideration.

4 In the event that Filgrastim (Macroleuco*) is used in donors, it should be confirmed beforehand that the donor is negative to all of the following tests in order to avoid the transmission of infections to the recipient: HBs antigen, HBc antibody, HCV antibody, HIV-1, 2, and HTLVI antibodies, and a serological test for syphilis. Serological tests for CMV and herpes should also be performed.

5 Roleic results may occur because of anaphylaxis when administrated with Filorating. 5 Splenic rupture may occur because of anaphylaxis when administered with Filgrastim

(Macroleuco*).

6 In the event that Filgrastim (Macroleuco*) is used to harvest hematopoietic progenitor cells from autologous peripheral blood progenitor cells following the completion of cancer chemotherapy, the harvest of peripheral blood progenitor cells should be commenced in the recovery period when the WBC increased to 5,000 to 10,000 mm² after the lowest WBC is observed.

7 Filgrastim (Macroleuco*) must be administered with caution because thrombocytopenia may occur after administration of Filgrastim (Macroleuco*) and following the harvest of peripheral blood progenitor cells.

may Occur airer administration or regression (waddreador) and references of peripheral blood progenitor cells.

8 Filgrastim (Macroleuco*) must be administered with caution because leukopenia (neutropenia) may occur 1 to 2 weeks after the harvest of peripheral blood progenitor cells.

euco=) should not be administered with the other injection(s)





METRO DRUG INC.

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