

completing chemotherapy, for timing of leucopheresis, consult product literature

Mobilisation of peripheral blood progenitor cells in normal donors for allogeneic infusion (specialist use only)

- ▶ BY SUBCUTANEOUS INJECTION
- ▶ Child 16–17 years: 10 micrograms/kg daily for 4–5 days, for timing of leucopheresis, consult product literature

Severe congenital neutropenia and history of severe or recurrent infections (distinguish carefully from other haematological disorders) (specialist use only)

- ▶ BY SUBCUTANEOUS INJECTION
- ▶ Child: Initially 12 micrograms/kg daily, adjusted according to response, can be given in single or divided doses, consult product literature and local protocol

Severe cyclic neutropenia, or idiopathic neutropenia and history of severe or recurrent infections (distinguish carefully from other haematological disorders) (specialist use only)

- ▶ BY SUBCUTANEOUS INJECTION
- ▶ Child: Initially 5 micrograms/kg daily, adjusted according to response, can be given in single or divided doses, consult product literature and local protocol

Persistent neutropenia in HIV infection (specialist use only)

- ▶ BY SUBCUTANEOUS INJECTION
- ▶ Child: Initially 1 microgram/kg daily, subsequent doses increased as necessary until neutrophil count in normal range, then adjusted to maintain neutrophil count in normal range—consult product literature; maximum 4 micrograms/kg per day

Neonatal neutropenia (specialist use only)

- ▶ BY SUBCUTANEOUS INJECTION
- ▶ Neonate: 10 micrograms/kg daily, to be discontinued if white cell count exceeds $50 \times 10^9/\text{litre}$.

Glycogen storage disease type 1b (specialist use only)

- ▶ BY SUBCUTANEOUS INJECTION
- ▶ Child: Initially 5 micrograms/kg daily, dose to be adjusted as necessary

- **UNLICENSED USE** Not licensed for treatment of glycogen storage disease or neonatal neutropenia.
- **CONTRA-INDICATIONS** Severe congenital neutropenia who develop leukaemia or have evidence of leukaemic evolution
- **CAUTIONS** Osteoporotic bone disease (monitor bone density if given for more than 6 months) · secondary acute myeloid leukaemia
- **SIDE-EFFECTS**
 - ▶ **Common or very common** Anaemia · diarrhoea · dysuria · haemorrhage · hepatomegaly · hyperuricaemia · hypotension · osteoporosis · rash
 - ▶ **Uncommon** Fluid imbalance · graft versus host disease · peripheral vascular disease · pseudogout · rheumatoid arthritis aggravated · urine abnormalities
- **MONITORING REQUIREMENTS** Regular morphological and cytogenetic bone-marrow examinations recommended in severe congenital neutropenia (possible risk of myelodysplastic syndromes or leukaemia).
- **DIRECTIONS FOR ADMINISTRATION** For *subcutaneous or intravenous infusion*, dilute with Glucose 5% to a concentration of not less than 15 micrograms/mL; to dilute to a concentration of 2–15 micrograms/mL, add albumin solution (human albumin solution) to produce a final albumin solution of 2 mg/mL; not compatible with Sodium Chloride solutions.
- **PRESCRIBING AND DISPENSING INFORMATION** Filgrastim is a biological medicine. Biological medicines must be prescribed and dispensed by brand name, see *Biological*

medicines and Biosimilar medicines, under Guidance on prescribing p. 1.

1 million units of filgrastim solution for injection contains 10 micrograms filgrastim.

- **MEDICINAL FORMS** There can be variation in the licensing of different medicines containing the same drug.

Solution for injection

- ▶ **Accofil** (Accord Healthcare Ltd)
 - Filgrastim 60 mega unit per 1 ml** Accofil 30million units/0.5ml solution for injection pre-filled syringes | 5 pre-filled disposable injection [PoM] £284.20 DT = £250.75 (Hospital only)
 - Filgrastim 96 mega unit per 1 ml** Accofil 48million units/0.5ml solution for injection pre-filled syringes | 5 pre-filled disposable injection [PoM] £455.70 DT = £399.50 (Hospital only)
- ▶ **Neupogen** (Amgen Ltd)
 - Filgrastim 30 mega unit per 1 ml** Neupogen 30million units/1ml solution for injection vials | 5 vial [PoM] £263.52 DT = £263.52
- ▶ **Neupogen Singleject** (Amgen Ltd)
 - Filgrastim 60 mega unit per 1 ml** Neupogen Singleject 30million units/0.5ml solution for injection pre-filled syringes | 1 pre-filled disposable injection [PoM] £52.70
 - Filgrastim 96 mega unit per 1 ml** Neupogen Singleject 48million units/0.5ml solution for injection pre-filled syringes | 1 pre-filled disposable injection [PoM] £84.06
- ▶ **Nivestim** (Pfizer Ltd)
 - Filgrastim 60 mega unit per 1 ml** Nivestim 30million units/0.5ml solution for injection pre-filled syringes | 5 pre-filled disposable injection [PoM] £246.50 DT = £250.75
 - Nivestim 12million units/0.2ml solution for injection pre-filled syringes** | 5 pre-filled disposable injection [PoM] £153.00
 - Filgrastim 96 mega unit per 1 ml** Nivestim 48million units/0.5ml solution for injection pre-filled syringes | 5 pre-filled disposable injection [PoM] £395.25 DT = £399.50
- ▶ **Zarzio** (Sandoz Ltd)
 - Filgrastim 60 mega unit per 1 ml** Zarzio 30million units/0.5ml solution for injection pre-filled syringes | 5 pre-filled disposable injection [PoM] £250.75 DT = £250.75
 - Filgrastim 96 mega unit per 1 ml** Zarzio 48million units/0.5ml solution for injection pre-filled syringes | 5 pre-filled disposable injection [PoM] £399.50 DT = £399.50

F 625

Lenograstim

(Recombinant human granulocyte-colony stimulating factor; rHuG-CSF)

● **INDICATIONS AND DOSE**

Reduction in the duration of neutropenia and associated complications following bone-marrow transplantation for non-myeloid malignancy (specialist use only) |

Reduction in the duration of neutropenia and associated complications following peripheral stem cells transplantation for non-myeloid malignancy (specialist use only)

- ▶ BY INTRAVENOUS INFUSION, OR BY SUBCUTANEOUS INJECTION
- ▶ Child 2–17 years: 150 micrograms/m² daily until neutrophil count stable in acceptable range (max. 28 days), to be started the day after transplantation. Intravenous infusion to be given over 30 minutes

Reduction in the duration of neutropenia and associated complications following treatment with cytotoxic chemotherapy associated with a significant incidence of febrile neutropenia (specialist use only)

- ▶ BY SUBCUTANEOUS INJECTION
- ▶ Child 2–17 years: 150 micrograms/m² daily until neutrophil count stable in acceptable range (max. 28 days), to be started on the day after completion of chemotherapy