SCHEDULING STATUS: S4

PROPRIETARY NAMES AND DOSAGE FORMS:

BETAFERON®
Lyophilised cake for solution

DILUENT FOR BETAFERON®
Solution for injection

COMPOSITION:

BETAFERON:
Recombinant interferon beta-1b 0.25 mg (8.0 million IU) per ml when reconstituted. BETAFERON is formulated as a sterile white to off-white powder and contains 0.3 mg (9.6 million IU) of recombinant interferon beta-1b per vial at a calculated overfill of 20%. 1 ml aqueous solution for reconstitution contains 5.4 mg sodium chloride. The other excipients are human albumin and mannitol.

DILUENT FOR BETAFERON:
One vial contains 2 ml sterile sodium chloride solution 0.54 % w/v (10.8 mg sodium chloride per 2 ml) or 1 prefilled syringe contains 1.2 ml sterile sodium chloride solution 0.54 % w/v (6.48 mg sodium chloride per 1.2 ml). The other excipient is water for injection.

1 ml of the reconstituted solution for injection contains 8 million IU (0.25 mg) of interferon beta-1b.

PHARMACOLOGICAL CLASSIFICATION:

A 34 Others

PHARMACOLOGICAL ACTION:

Pharmacodynamic properties:

Interferons belong to the family of cytokines, which are naturally occurring proteins. Interferons have molecular weights ranging from 15 000 to 21 000 daltons. Three major classes of interferons have been identified: alpha, beta, and gamma. Interferon alpha, interferon beta, and interferon gamma have overlapping yet distinct biologic activities.

The activities of interferon beta-1b are species-restricted and, therefore, the most pertinent pharmacological information on interferon beta-1b is derived from studies of human cells in culture or human in vivo studies.

Interferon beta-1b has been shown to possess both antiviral and immunoregulatory activities. The mechanisms by which interferon beta-1b exerts its actions in multiple sclerosis are not clearly understood. However, it is known that the biologic response-modifying properties of interferon beta-1b are mediated through its interactions with specific cell receptors found on the surface of human cells. The binding of interferon beta-1b to these receptors induces the expression of a number of gene products that are believed to be the mediators of the biological actions of interferon beta-1b. A number of these products have been measured in the serum and cellular fractions of blood collected from patients treated with interferon beta-1b.

No separate investigations were performed regarding the influence of BETAFERON on the cardiovascular system, respiratory system and the function of endocrine organs.

Pharmacokinetic properties:

Serum concentrations after subcutaneous administration of 0.25 mg (8 million IU) cannot be detected or are low and maximum serum levels of about 40 IU/ml were found 1 to 8 hours after subcutaneous
injection of 0.5 mg (16 million IU) interferon beta-1b. From various studies mean clearance rates and half-lives of disposition phases from serum were estimated to be at most 30 ml/min/kg and 5 hours, respectively. Every other day drug injections do not lead to drug accumulation and pharmacokinetics do not seem to change during therapy.

**Preclinical safety data:**

No acute toxicity studies have been carried out. As rodents do not react to human interferon beta, risk assessment was based on repeated dose studies carried out with rhesus monkeys. Transitory hyperthermia was observed, as well as a significant transient rise in lymphocytes and a significant transient decrease in thrombocytes and segmented neutrophils.

No long-term studies have been conducted. Reproduction studies with rhesus monkeys revealed maternal toxicity and an increased rate of abortions. No malformations have been observed in the surviving animals. No investigations on fertility have been conducted. No influence on the monkey oestrous cycle has been observed.

In 1 single genotoxicity study (Ames test), no mutagenic effect has been observed. Carcinogenicity studies have not been performed. An in vitro cell transformation test gave no indication of tumourigenic potential.

**INDICATIONS:**

Interferon beta-1b is indicated for use in:

1. Patients with a single clinical event suggestive of multiple sclerosis (“Clinically Isolated Syndrome” or CIS, patients had a first demyelinating event together with at least two clinically silent brain MR-lesions) to delay progression to definite multiple sclerosis and to delay the progression of sustained neurological disability.
2. Ambulatory patients with relapsing-remitting multiple sclerosis characterised by at least 2 attacks of neurologic dysfunction over a two year period followed by complete or incomplete recovery.

**CONTRA-INDICATIONS:**

BETAFERON is contra-indicated in patients with a history of hypersensitivity; such as bronchospasm, anaphylaxis and urticaria; to natural or recombinant interferon beta or human albumin or to any of the excipients.

**WARNINGS:**

**Immune system disorders:**

The administration of cytokines to patients with a pre-existing monoclonal gammopathy has been associated with the development of systemic capillary leak syndrome with shock-like symptoms and fatal outcome.

**Gastrointestinal disorders:**

Cases of pancreatitis were observed with BETAFERON use, frequently associated with hypertriglyceridaemia.

**Nervous system disorders:**

Patients to be treated with BETAFERON should be informed that depressive disorders and suicidal ideation may be a side effect of the treatment and should report these symptoms immediately to the prescribing physician. In rare cases these symptoms may result in a suicide attempt. Patients exhibiting depression and suicidal ideation should be monitored closely and cessation of therapy should be considered.
BETAFERON should be administered with caution to patients with previous or current depressive disorders or suicidal ideation.

BETAFERON contains human albumin, a derivative of human blood. Based on effective donor screening and product manufacturing processes, it carries a remote risk for transmission of viral diseases. A theoretical risk for transmission of Creutzfeld-Jacob disease (CJD) is also considered remote. No cases of transmission of viral disease or CJD have ever been identified for albumin.

BETAFERON should be administered with caution to patients with a history of seizures.

**Investigations/immunogenicity:**

There is a potential for immunogenicity (see “Side effects”). The decision to continue or discontinue treatment should be based on all aspects of the patient's disease status rather than on neutralising activity status alone.

**INTERACTIONS:**

No formal medicine interaction studies have been carried out with BETAFERON.

The effect of BETAFERON on medicine metabolism in multiple sclerosis patients is unknown.

Corticosteroid or ACTH treatment of relapses for periods of up to 28 days has been well tolerated in patients receiving BETAFERON. However, in the clinical trials, patients receiving BETAFERON had a significantly reduced steroid usage compared with placebo patients.

Due to lack of clinical experience in multiple sclerosis patients, use of BETAFERON together with immunomodulators other than corticoids or ACTH is not recommended.

Interferons have been reported to reduce the activity of hepatic cytochrome P450-dependent enzymes in humans and animals. Caution should be exercised when BETAFERON is administered in combination with medicinal products that have a narrow therapeutic index and are largely dependent on the hepatic cytochrome P450 system for clearance such as ketoconazole, itraconazole, macrolide antibiotics, etc.

Caution should be exercised with any co-medication which has an effect on the haematopoetic system.

**PREGNANCY AND LACTATION:**

**Pregnancy:**

It is not known whether BETAFERON can cause foetal harm when administered to a pregnant woman, or can affect human reproductive capacity. Spontaneous abortions have been reported in subjects with multiple sclerosis using BETAFERON in controlled clinical trials. Recombinant human interferon beta-1b in studies with rhesus monkeys has been proven embryotoxic, causing an increased rate of abortions in the higher dose range. Therefore, BETAFERON is contra-indicated during pregnancy and women of childbearing potential should take appropriate contraceptive measures. If the patient becomes pregnant or plans to become pregnant while taking BETAFERON, she should be informed of the potential hazard and it should be recommended to discontinue therapy.

**Lactation:**

It is not known whether interferon beta-1b is excreted in human milk. Because of the potential for serious adverse reactions to BETAFERON if infants are being breastfed, BETAFERON should be discontinued.

**DOSAGE AND DIRECTIONS FOR USE:**

Method of administration: Subcutaneous injection.
Adults:

Treatment with BETAFERON should be initiated under the supervision of a medical practitioner experienced in the treatment of the disease.

The recommended dose of BETAFERON is 8 million IU (0,25 mg), contained in 1 ml of the reconstituted solution to be injected subcutaneously every other day.

Generally, dose titration is recommended at the start of treatment. For this purpose a special titration pack is available (see “Presentation” for details of the titration pack).

Patients should be started at 0,0625 mg (0,25 ml) subcutaneously every other day, and increased slowly to a dose of 0,25 mg (1,0 ml) every other day. The titration period may be adjusted according to individual tolerability.

In the study in patients with a single clinical event, dosage was increased as shown in Table 1.

Table 1: Schedule for dose titration*

<table>
<thead>
<tr>
<th>Treatment day</th>
<th>Dose</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>1, 3, 5</td>
<td>0,0625 mg</td>
<td>0,25 ml</td>
</tr>
<tr>
<td>7, 9, 11</td>
<td>0,125 mg</td>
<td>0,5 ml</td>
</tr>
<tr>
<td>13, 15, 17</td>
<td>0,1875 mg</td>
<td>0,75 ml</td>
</tr>
<tr>
<td>≥ 19</td>
<td>0,25 mg</td>
<td>1,0 ml</td>
</tr>
</tbody>
</table>

* Titration scheme as used in the study in patients with a single clinical event suggestive of multiple sclerosis. The titration period may be modified according to individual tolerability.

Duration of treatment:

At the present time it is not known for how long the patient should be treated. Efficacy for a period of up to 3 years of treatment has been demonstrated in a controlled clinical trial. There are follow-up data under controlled clinical trial conditions for patients with relapsing-remitting multiple sclerosis for up to 5 years and for patients with secondary progressive multiple sclerosis for up to 3 years.

For relapsing-remitting multiple sclerosis, the available data for up to 5 years suggest sustained treatment efficacy of BETAFERON over the whole time period.

For secondary progressive multiple sclerosis efficacy for a period of two years with limited data for a period of up to 3 years of treatment has been demonstrated under controlled clinical trial conditions.

In patients with a single clinical event suggestive of multiple sclerosis, efficacy has been demonstrated over a period of 5 years.

Children and adolescents:

Efficacy and safety of BETAFERON were not investigated systematically in children and adolescents of less than 18 years of age.

There is only limited information on the use of BETAFERON in children under 18 years of age and, therefore, BETAFERON should not be administered to this age group.

Instructions for use/handling:

BETAFERON vials and solvent vials:

- Reconstitution

To reconstitute lyophilised interferon beta-1b for injection use a sterile syringe and needle to inject 1,2 ml of the supplied DILUENT FOR BETAFERON (sodium chloride solution 5,4 mg/ml (0,54 % w/v)) into the BETAFERON vial. Dissolve the powder completely without shaking.
Inspection prior to use and preparation of the syringe

**Do not use cracked vials.** Inspect the reconstituted product visually before use. The reconstituted product is colourless to light yellow and slightly opalescent to opalescent. Discard the product before use if it contains particulate matter or is discoloured. After reconstitution draw 1,0 ml from the vial into the syringe for the administration of 0,25 mg BETAFERON.

**Disposal**

Discard the product before use if it contains particulate matter or is discoloured. Discard any unused solution for injection.

**BETAFERON vials and prefilled solvent syringes (no vial adapter) (1,2 ml syringe containing 1,2 ml solvent):**

- **Reconstitution**

To reconstitute lyophilised interferon beta-1b for injection use the provided prefilled syringe with solvent and a needle to inject the 1,2 ml DILUENT FOR BETAFERON (sodium chloride solution 5,4 mg/ml (0,54 % w/v)) into the BETAFERON vial. Dissolve the powder completely without shaking.

- **Inspection prior to use and preparation of the syringe**

**Do not use cracked vials.** Inspect the reconstituted product visually before use. The reconstituted product is colourless to light yellow and slightly opalescent to opalescent. Discard the product before use if it contains particulate matter or is discoloured. After reconstitution draw 1,0 ml from the vial into the syringe for the administration of 0,25 mg BETAFERON.

**Disposal**

Discard the product before use if it contains particulate matter or is discoloured. Discard any unused solution for injection.

**BETAFERON vials and prefilled solvent syringes with vial adapter with attached needle (2,25 ml syringe containing 1,2 ml solvent):**

- **Reconstitution**

To reconstitute lyophilised interferon beta-1b for injection connect the vial adapter with attached needle on the vial. Connect the prefilled syringe with solvent to the vial adapter and inject the 1,2 ml DILUENT FOR BETAFERON (sodium chloride solution 5,4 mg/ml (0,54 % w/v)) into the BETAFERON vial. Dissolve the powder completely without shaking.

- **Inspection prior to use and preparation of the syringe**

**Do not use cracked vials.** Inspect the reconstituted product visually before use. The reconstituted product is colourless to light yellow and slightly opalescent to opalescent. Discard the product before use if it contains particulate matter or is discoloured. After reconstitution draw all the liquid (1,2 ml) back into the syringe. Adjust volume to desired dose, e.g. 1 ml by injecting superfluous solution into the vial. Remove the vial from the vial adapter.

- **Disposal**

Discard the product before use if it contains particulate matter or is discoloured. Discard any unused solution for injection.

The reconstituted solution contains 8 million IU (0,25 mg) of interferon beta-1b per ml.

For dose titration at the start of treatment draw the respective volume as given in Table 1 – Schedule for dose titration, above.
Incompatibilities:

In the absence of compatibility studies, BETAferon should not be mixed with other medicinal products.

Treatment should start as soon as the definite diagnosis of relapsing-remitting multiple sclerosis has been made and the patient has had at least two exacerbations. The treating physician should inform the patient of the possible risk and benefit of a treatment with BETAferon and decide with him/her whether he/she would be willing to accept possible side effects and inconveniences that might be related to the treatment with BETAferon.

SIDE EFFECTS AND SPECIAL PRECAUTIONS:

Side effects:

Flu-like symptom complex (fever, chills, headache, myalgia, arthralgia, malaise, or sweating) occur frequently. The incidence rate of the symptoms decreased over time.

Generally, dose titration is recommended at the start of treatment in order to increase the tolerability to BETAferon. Flu-like symptoms may also be reduced by administration of non-steroidal anti-inflammatory medicines.

Injection site reactions (e.g. redness, swelling, discoloration, inflammation, pain, hypersensitivity, necrosis, and non-specific reactions) occur frequently after administration of BETAferon. The incidence rate of injection site reactions usually decreased over time. The incidence of injection site reactions may be reduced by the use of an autoinjector.

The frequencies of adverse reactions (ARs) reported with BETAferon are summarised in the table below.

Frequencies are defined as very common (≥ 1/10) and common (≥ 1/100 to < 1/10).

Table 2: Adverse reactions from clinical trials and from post-marketing experience.

<table>
<thead>
<tr>
<th>System Organ Class</th>
<th>Very common</th>
<th>Common</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blood and lymphatic system disorders</td>
<td>Lymphocyte count decreased (&lt; 1500/mm³)</td>
<td>Lymphadenopathy</td>
</tr>
<tr>
<td></td>
<td>White blood cell count decreased (WBC) (&lt; 3000/mm³)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Absolute neutrophil count decreased (ANC) (&lt; 500/mm³)</td>
<td></td>
</tr>
<tr>
<td>Nervous system disorders</td>
<td>Headache</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Insomnia</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Incoordination</td>
<td></td>
</tr>
<tr>
<td>Vascular disorders</td>
<td></td>
<td>Hypertension</td>
</tr>
<tr>
<td>Respiratory, thoracic and mediastinal disorders</td>
<td></td>
<td>Dyspnoea</td>
</tr>
<tr>
<td>Gastrointestinal disorders</td>
<td>Abdominal pain</td>
<td></td>
</tr>
<tr>
<td>Hepatobiliary disorders</td>
<td>Alanine aminotransferase increased (ALT &gt; 5 times baseline)X</td>
<td>Aspartate aminotransferase increased (AST &gt; 5 times baseline)X</td>
</tr>
<tr>
<td>Skin and subcutaneous tissue disorders</td>
<td>Rash</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Skin disorder</td>
<td></td>
</tr>
<tr>
<td>Musculoskeletal, connective tissue and bone disorders</td>
<td>Myalgia</td>
<td>Hypertonia</td>
</tr>
<tr>
<td>Renal and urinary disorders</td>
<td>Urinary urgency</td>
<td></td>
</tr>
<tr>
<td>Reproductive system and breast disorders</td>
<td></td>
<td>Impotence b</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Metrorrhagia a</td>
</tr>
</tbody>
</table>
The following adverse reactions have been identified worldwide during postapproval use of BETAFERON:

Blood and lymphatic system disorders: Anaemia, thrombocytopenia, leukopenia.
Immune system disorders: Anaphylactic reactions, capillary leak syndrome in pre-existing monoclonal gammopathy.
Endocrine disorders: Thyroid disorders, hyperthyroidism, hypothyroidism.
Metabolism and nutrition disorders: Blood triglycerides, anorexia, decreased weight, increased weight.
Psychiatric disorders: Depression, suicide attempt, confusion, anxiety, emotional lability.
Nervous system disorders: Convulsion, dizziness.
Cardiac disorders: Cardiomyopathy, tachycardia, palpitation.
Vascular disorders: Vasodilatation.
Respiratory, thoracic and mediastinal disorders: Bronchospasm.
Gastrointestinal disorders: Nausea, vomiting, pancreatitis, diarrhoea.
Hepatobiliary disorders: Increased blood bilirubin, increased gamma-glutamyltransferase, hepatic injury (including hepatitis), hepatic failure.
Skin and subcutaneous tissue disorders: Urticaria, alopecia, pruritus, skin discouloration.
Musculoskeletal, connective tissue and bone disorders: Arthralgia.
Reproductive system and breast disorders: Menstrual disorder, menorrhagia.
General disorders and administration site conditions: Sweating.

Investigations/immunogenicity:

There is a potential for immunogenicity. Serum samples in controlled clinical trials were collected every 3 months (in the study of patients with a single clinical event suggestive of multiple sclerosis every 6 months) for monitoring of development of antibodies to BETAFERON.

In the different controlled clinical trials, between 23 % and 41 % of the patients developed serum interferon beta-1b neutralising activity confirmed by at least two consecutive positive titers; of these patients, between 43 % to 55 % converted to a stable antibody negative status (based on two consecutive negative titers) during the subsequent observational period of the respective study.

In the study of patients with a single clinical event suggestive of multiple sclerosis, neutralising activity measured every 6 months was observed at least once in 32 % (89) of the BETAFERON patients treated early; of these 60 % (53) returned to negative status based on the latest available assessment within the 5 year period. Within the study period of 5 years the development of neutralising activity was not associated with a reduction in clinical efficacy [with regard to time to clinically definite multiple sclerosis (CDMS), time to confirmed EDSS progression and relapse rate].

No consistent attenuating effects on clinical outcomes have been demonstrated related to the presence of neutralising antibodies, across studies, endpoints, different statistical approaches and varying definitions of neutralising antibody positive status. Adverse events have not been associated with the development of neutralising activity.

The decision to continue or discontinue treatment should be based on all aspects of the patient’s disease status rather than on neutralising activity status alone.
Special precautions:

Hepato-biliary disorders:

Elevations of serum transaminases, in most cases asymptomatic, mild and transient, occurred very commonly in patients treated with BETAFERON during clinical trials. Cases of severe hepatic injury, including hepatic failure, have been reported. The most severe events often occurred in patients exposed to other medicines or substances known to be associated with hepatotoxicity or in the presence of comorbid medical conditions (e.g. metastasising malignant disease, severe infection and sepsis, alcohol abuse).

Patients should be monitored for signs of hepatic injury. The occurrence of elevations in serum transaminases should lead to close monitoring and investigation. Withdrawal of BETAFERON should be considered if the levels significantly increase or if they are associated with clinical symptoms such as jaundice.

In the absence of clinical evidence for liver damage and after normalisation of liver enzymes, a reintroduction of therapy could be considered with appropriate follow-up of hepatic functions.

Cardiac disorders:

BETAFERON should be used with caution in patients with pre-existing cardiac disease such as congestive heart failure, coronary artery disease or arrhythmias. While there is no evidence of a direct cardiotoxic potential for BETAFERON, these patients should be monitored for worsening of their cardiac condition. This applies particularly during initiation of treatment with BETAFERON, where flu-like symptoms, commonly associated with beta interferons, exert cardiac stress through fever, chills and tachycardia. This may aggravate cardiac symptoms in patients with pre-existing significant cardiac disease.

During the postmarketing period, reports have been received of worsening of cardiac status in patients with pre-existing significant cardiac disease, temporally associated with the initiation of BETAFERON therapy. Cases of cardiomyopathy have been reported: if this occurs and a relationship to BETAFERON is suspected, treatment should be discontinued.

General disorders and administration site conditions:

Serious hypersensitivity reactions such as acute bronchospasm, anaphylaxis and urticaria may occur. If reactions are severe, BETAFERON should be discontinued and appropriate medical intervention instituted. Other moderate to severe adverse experiences may require modifications of the BETAFERON dosage regimen or even discontinuation of the agent.

Injection site necrosis (ISN) has been reported in patients using BETAFERON. It can be extensive and may involve muscle fascia as well as fat and therefore can result in scar formation. Occasionally debridement and, less often, skin grafting are required and healing may take up to 6 months.

If the patient experiences any break in the skin, which may be associated with swelling or drainage of fluid from the injection site, the patient should be advised to consult with their medical practitioner before continuing injections with BETAFERON.

If the patient has multiple lesions, BETAFERON should be discontinued until healing has occurred.

Patients with single lesions may continue on BETAFERON, provided the necrosis is not too extensive, as some patients have experienced healing of injection site necrosis whilst on BETAFERON.

To minimise the risk of injection site necrosis patients should be advised to:

- use an aseptic injection technique,
- rotate the injection sites with each dose.

The procedure for the self-administration by the patient should be reviewed periodically especially if injection site reactions have occurred.
Other:

Caution should be exercised when administering BETAFERON to patients with myelosuppression, anaemia or thrombocytopenia; patients who develop neutropenia should be monitored closely for the development of fever or infection.

Renal function should be monitored carefully when such patients receive BETAFERON therapy.

Laboratory tests:

In addition to those laboratory tests normally required for monitoring patients with multiple sclerosis, complete blood and differential white blood cell counts, platelet counts, and blood chemistries, including liver function tests (e.g. AST (SGOT), ALT (SGPT) and gamma-GT), are recommended prior to initiation and at regular intervals following introduction of BETAFERON therapy, and then periodically thereafter in the absence of clinical symptoms.

Thyroid function tests are recommended regularly in patients with a history of thyroid dysfunction or as clinically indicated.

Patients with anaemia, thrombocytopenia, leukopenia (alone or in any combination) may require more intensive monitoring of complete blood cell counts, with differential and platelet counts.

Effects on the ability to drive and use machines

This has not been investigated. Central nervous system-related adverse events associated with the use of BETAFERON might influence the ability to drive and use machines in susceptible patients.

KNOWN SYMPTOMS OF OVERDOSAGE AND PARTICULARS OF ITS TREATMENT:

Interferon beta-1b has been given without serious adverse events compromising vital functions to adult cancer patients at individual doses as high as 5,5 mg (176 million IU) intravenously 3 times a week.

IDENTIFICATION:

BETAFERON:
One 3 ml clear glass vial containing a white lyophilised cake.

DILUENT FOR BETAFERON:
Vials:
One 3 ml clear glass vial containing 2 ml of a clear colourless solvent.
Prefilled syringes (no vial adapter):
One 1,2 ml prefilled glass syringe containing 1,2 ml of a clear colourless solvent.
Prefilled syringes with vial adapter and attached needle:
One 2,25 ml prefilled glass syringe containing 1,2 ml of a clear colourless solvent.

PRESENTATION:

Vials:
One pack containing 15 vials of BETAFERON and 15 vials of DILUENT FOR BETAFERON.

Prefilled syringes (no vial adapter):
One pack containing 15 vials of BETAFERON and 15 prefilled syringes of DILUENT FOR BETAFERON.

Prefilled syringes with vial adapter and attached needle:
One outer pack containing 5 or 15 single packs. Each single pack consists of 1 vial with BETAFERON powder, 1 prefilled syringe with DILUENT FOR BETAFERON, 1 vial adapter with needle and 2 alcohol wipes.
A titration pack that contains the following 4 triple packs:

1. A yellow-coloured box marked with number “1” containing 3 vials with BETAFERON powder, 3 x 2.25 ml prefilled syringes of 1.2 ml solvent (sodium chloride solution) with a 0.25 ml mark for the 62.5 microgram (0.0625 mg) dose, 3 vial adapters with needle and 6 alcohol wipes.
2. A red-coloured box marked with number “2” containing 3 vials with BETAFERON powder, 3 x 2.25 ml prefilled syringes of 1.2 ml solvent (sodium chloride solution) with a 0.50 ml mark for the 125 microgram (0.125 mg) dose, 3 vial adapters with needle, 6 alcohol wipes.
3. A green-coloured box marked with number “3” containing 3 vials with BETAFERON powder, 3 x 2.25 ml prefilled syringes of 1.2 ml solvent (sodium chloride solution) with a 0.75 ml mark for the 187.5 microgram (0.1875 mg) dose, 3 vial adapters with needle, 6 alcohol wipes.
4. A blue-coloured box marked with number “4” containing 3 vials with BETAFERON powder, 3 x 2.25 ml prefilled syringes of 1.2 ml solvent (sodium chloride solution) with a 1 ml mark for the 250 microgram (0.25 mg) dose, 3 vial adapters with needle, 6 alcohol wipes.

STORAGE INSTRUCTIONS:

Store at or below 25 °C.
After reconstitution store at 2 to 8 °C for up to 3 hours.
KEEP OUT OF REACH OF CHILDREN.

REGISTRATION NUMBERS:

BETAFERON: 30/34/0185
DILUENT FOR BETAFERON: 30/34/0186

NAME AND BUSINESS ADDRESS OF THE HOLDER OF THE CERTIFICATE OF REGISTRATION:

Bayer (Pty) Ltd
Reg. No.: 1968/011192/07
27 Wrench Road
ISANDO
1609

DATE OF PUBLICATION OF THIS PACKAGE INSERT:

27 July 2012