HEMOFIL M- antihemophilic factor human
Takeda Pharmaceuticals America, Inc.

HEMOFIL M

Antihemophilic Factor (Human), Method M, Monoclonal Purified
Nanofiltered

DESCRIPTION

HEMOFIL M, Antihemophilic Factor (Human) (AHF), Method M, Monoclonal Purified, is a sterile, nonpyrogenic, dried preparation of antihemophilic factor (Factor VIII, Factor VIII:C, AHF) in concentrated form with a specific activity range of 2 to 22 AHF International Units/mg of total protein. HEMOFIL M contains a maximum of 12.5 mg/mL Albumin, and per AHF International Unit, 0.07 mg polyethylene glycol (3350), 0.39 mg histidine as stabilizing agents, not more than 0.1 mg glycine, 0.1 ng mouse protein, 18 ng organic solvent (tri-n-butyl phosphate) and 50 ng detergent (octoxynol 9). In the absence of the added Albumin (Human), the specific activity is approximately 2,000 AHF International Units/mg of protein *[see Clinical Pharmacology]*.

HEMOFIL M is prepared by the Method M process from pooled human plasma by immunoaffinity chromatography utilizing a murine monoclonal antibody to Factor VIII:C, followed by an ion exchange chromatography step for further purification. Source material may be provided by other US licensed manufacturers. HEMOFIL M also includes an organic solvent (tri-n-butyl phosphate) and detergent (octoxynol 9) virus inactivation step designed to reduce the risk of transmission of hepatitis and other viral diseases. The process further includes a nanofiltration step between immunoaffinity chromatography and ion-exchange chromatography as an additional viral clearance step to further improve the viral safety margin of the final product.

Use of an organic solvent (tri-n-butyl phosphate; TNBP) in the manufacture of Antihemophilic Factor (Human) has little or no effect on AHF activity, while lipid enveloped viruses, such as hepatitis B and human immunodeficiency virus (HIV) would be inactivated.[1] The nanofiltration step integrated into the manufacture of AHF-M further enhances the safety margin with respect to adventitious viruses. Each bottle of HEMOFIL M is labeled with the AHF activity expressed in International Units (IU) per bottle. This potency assignment is referenced to the World Health Organization International Standard. The purity of HEMOFIL M has been thought to influence the difficulty of producing an accurate potency measurement. Experiments have shown that to achieve accurate activity levels, such a potency assay should be conducted using plastic test tubes and pipets as well as substrate containing normal levels of von Willebrand's Factor.

In vitro studies demonstrate that the HEMOFIL M manufacturing process provides for viral reduction. These reductions are achieved through a combination of process chemistry, partitioning and/or inactivation during solvent/detergent treatment, and immunoaffinity chromatography. Introduction of a nanofiltration step with the 0.1µm prefilter and the ASAHI Planova 20N nanofilter provides a virus removal capacity for human immunodeficiency virus, Type 1 (HIV-1), hepatitis A virus (HAV), bovine viral

diarrhea virus (BVDV), pseudorabies virus (PRV), mice minute virus (MMV), and human parvovirus B19 (B19V) in the order of four (4) logs or higher. B19V removal data were obtained with a Polymerase Chain Reaction (PCR) assay not correlated to an infectivity assay.

Studies for nanofiltration and other process steps, summarized in Table 1, demonstrate virus clearance during the HEMOFIL M manufacturing process using HIV-1; BVDV, a generic model for lipid enveloped RNA viruses, such as hepatitis C virus (HCV); PRV, a model for lipid enveloped DNA viruses, such as hepatitis B virus (HBV); canine parvovirus (CPV), a model for non-lipid enveloped DNA viruses, such as B19V, HAV, and MMV.

Table 1 In Vitro Virus Clearance During the Manufacture of HEMOFIL M

Process Step Evaluated	**Virus Clearance, log $_{10}$**					
	Lipid-enveloped			**Non-Lipid enveloped**		
	HIV-1	**BVDV**	**PRV**	**HAV**	**CPV**	**MMV**
Solvent/Detergent Treatment	>4.8	>6.8	>6.9	NT*	NT*	NT*
Immunoaffinity Chromatography	N.A.†	N.A.†	N.A.†	≥4.5	≥3.9	NT
Nanofiltration	>5.5	>4.6	>4.4	>5.4	NT	>5.0
Cumulative Total, $\log_{10}$	**>10.3**	**>11.4**	**>11.3**	**>9.9**	**≥3.9**	**>5.0**

NT not tested

* As Solvent/Detergent treatment does not inactivate non-lipid enveloped viruses.
† Not Applicable for lipid enveloped viruses due to the presence of (virucidal) solvent/detergent reagents in the starting material.

CLINICAL PHARMACOLOGY

Antihemophilic factor (AHF) is a protein found in normal plasma which is necessary for clot formation. The administration of HEMOFIL M provides an increase in plasma levels of AHF and can temporarily correct the coagulation defect of patients with hemophilia A (classical hemophilia). The half-life of HEMOFIL M administered to Factor VIII deficient patients has been shown to be 14.8 ± 3.0 hours.

INDICATIONS AND USAGE

HEMOFIL M is indicated in hemophilia A (classical hemophilia) for the prevention and control of hemorrhagic episodes.

HEMOFIL M is not indicated in von Willebrand's disease.

CONTRAINDICATIONS

HEMOFIL M is contraindicated in patients with a known hypersensitivity to the active substance, to excipients, or to mouse proteins.

WARNINGS

Hypersensitivity

Allergic-type hypersensitivity reactions, including anaphylaxis, have been reported with HEMOFIL M and have been manifested by bronchospasm, dyspnea, hypotension, chest pain, facial edema, urticaria, rash, flushing, pruritus, and nausea.

Neutralizing Antibodies

The development of neutralizing antibodies (inhibitors) to Factor VIII is a known complication of the treatment of patients with Hemophilia A. Inhibitors have predominantly been reported in previously untreated patients. The risk of developing inhibitors is correlated to the extent of exposure to Factor VIII, the risk being highest within the first 20 exposure days, and to other genetic and environmental factors. The risk for inhibitor development depends on a number of factors relating to the characteristics of the patient (e.g., type of the Factor VIII gene mutation, family history, ethnicity), which are believed to represent the most significant risk factors for inhibitor formation.

Transmission of Infectious Agents

Because HEMOFIL M is made from human blood, it may carry a risk of transmitting infectious agents, e.g., viruses, the variant Creutzfeldt-Jakob disease (vCJD) agent and, theoretically, the Creutzfeldt-Jakob disease (CJD) agent. This also applies to unknown or emerging viruses and other pathogens.

All infections thought by a physician possibly to have been transmitted by this product should be reported by the physician or other healthcare provider to Takeda Pharmaceuticals U.S.A., Inc. at 1-877-TAKEDA-7 (1-877-825-3327) or FDA at 1-800-FDA-1088 or *www.fda.gov/medwatch*. The physician should discuss the risks and benefits of this product with the patient.

Individuals who receive infusions of blood or plasma products may develop signs and/or symptoms of some viral infections, particularly non-A, non-B hepatitis. As indicated under *Clinical Pharmacology*, however, a group of such patients treated with HEMOFIL M did not demonstrate signs or symptoms of non-A, non-B hepatitis over observation periods ranging from three to nine months.

PRECAUTIONS

Identification of the clotting defect as a Factor VIII deficiency is essential before the administration of HEMOFIL M is initiated.

Factor VIII Inhibitors

Evaluate patients for the development of Factor VIII inhibitors if the expected plasma Factor VIII activity levels are not attained or if bleeding is not controlled with an appropriate dose.

No benefit may be expected from this product in treating other deficiencies.

Formation of Antibodies to Mouse Protein

HEMOFIL M contains trace amounts of mouse protein (less than 0.1 ng/AHF activity units). The possibility exists that patients treated with HEMOFIL M may develop hypersensitivity to the mouse proteins. There have been no cases of hypersensitivity to the mouse proteins reported.

Increase in Pulse Rate

Determine the pulse rate before and during administration of HEMOFIL M. Should a significant increase occur, reduce the rate of administration or temporarily halt the injection to allow the symptoms to disappear promptly.

Laboratory Tests

Perform appropriate laboratory tests on the patient's plasma at suitable intervals to ensure that adequate AHF levels have been reached and are maintained.

If the AHF content of the patient's plasma fails to reach expected levels or if bleeding is not controlled after apparently adequate dosage, the presence of inhibitor should be suspected. By appropriate laboratory procedures, the presence of inhibitor can be demonstrated and quantified in terms of AHF units neutralized by each mL of plasma or by the total estimated plasma volume.

If the inhibitor is at low levels (i.e., <10 Bethesda units per mL), after administration of sufficient AHF units to neutralize the inhibitor, additional AHF units will elicit the predicted response.

Pregnancy

Animal reproduction studies have not been conducted with HEMOFIL M. The safety of HEMOFIL M for use in pregnant women has not been established. It is not known whether HEMOFIL M can cause fetal harm when administered to a pregnant woman or can affect reproduction capacity. HEMOFIL M should be given to a pregnant woman only if clearly needed.

Nursing Mothers

The safety of HEMOFIL M for use in nursing mothers has not been established. It is not known whether this drug is excreted into human milk. Physicians should carefully consider the potential risks and benefits for each specific patient before prescribing HEMOFIL M. HEMOFIL M should be given to nursing mothers only if clinically indicated.

ADVERSE REACTIONS

Adverse Reactions from Clinical Trials

The adverse reactions presented in this section have been identified based on clinical trial experience with HEMOFIL M in patients previously treated with other Factor VIII concentrates or blood products (N = 74), and previously untreated patients (PUPs; N = 50).

Clinical Trial Adverse Reactions		
System Organ Class (SOC)	**Preferred MedDRA Term**	**Number of Cases**

		(Frequency Percentage)
BLOOD AND LYMPHATIC SYSTEM DISORDERS	Factor VIII inhibition	3 (5.7%)*
NERVOUS SYSTEM DISORDERS	Dizziness	1 (0.8%)
	Headache	1 (0.8%)
	Dysgeusia	1 (0.8%)
GENERAL DISORDERS AND ADMINISTRATION SITE CONDITIONS	Pyrexia	1 (0.8%)
	Infusion site inflammation	2 (1.6%)

* In a study that included 43 evaluable PUPs and 10 minimally treated patients (MTPs), i.e., patients with a single exposure to other Factor VIII concentrates or blood products, 3 of the total of 53 patients (5.7%) developed an inhibitor while on study.

HEMOFIL M was administered to 11 patients previously untreated with Antihemophilic Factor (Human). They have shown no signs of hepatitis or HIV infection following three to nine months of evaluation.

A study of 25 patients treated with HEMOFIL M and monitored for three to six months has demonstrated no evidence of antibody response to mouse protein. More than 1,000 infusions of HEMOFIL M have been administered during the clinical trials. Reported events included a single episode each of chest tightness, fuzziness and dizziness, and one patient reported an unusual taste after each infusion.

Post-marketing Adverse Reactions

In addition to clinical trials, the following adverse reactions have been reported in the post-marketing experience, listed by MedDRA System Organ Class (SOC), then by Preferred Term.

Immune System Disorders: anaphylactic reaction, hypersensitivity

Eye Disorders: visual impairment, ocular hyperemia

Cardiac Disorders: cyanosis, bradycardia, tachycardia

Vascular Disorders: hypotension, flushing

Respiratory, Thoracic, and Mediastinal Disorders: bronchospasm, dyspnea, cough, hyperventilation

Gastrointestinal Disorders: diarrhea, vomiting, nausea, abdominal pain

Skin and Subcutaneous Tissue Disorders: urticaria, rash, pruritus, hyperhidrosis

Musculoskeletal and Connective Tissue Disorders: musculoskeletal pain

General Disorders and Administration Site Conditions: facial edema, edema, chills, fatigue, chest pain, irritability

DOSAGE AND ADMINISTRATION

For intravenous use only.

The expected *in vivo* peak AHF level, expressed as IU/dL of plasma or % (percent) of

normal, can be calculated by multiplying the dose administered per kg body weight (IU/kg) by two. This calculation is based on the clinical finding by Abildgaard, *et al*,[2] which is supported by data from the collaborative study of *in vivo* recovery and survival with 15 different lots of HEMOFIL M on 56 hemophiliacs that demonstrated a mean peak recovery point above the mean pre-infusion baseline of about 2.0 IU/dL per infused IU/kg body weight.[3]

Examples:

(1) A dose of 1750 IU AHF administered to a 70 kg patient, i.e., 25 IU/kg (1750/70), should be expected to cause a peak post-infusion AHF increase of 25 x 2 = 50 IU/dL (50% of normal).
(2) A peak level of 70% is required in a 40 kg child. In this situation the dose would be 70/2 x 40 = 1400 IU.

Recommended Dosage Schedule

Physician supervision of the dosage is required. The following dosage schedule may be used as a guide.

HEMORRHAGE		
Degree of hemorrhage	**Required peak post-infusion AHF activity in the blood (as % of normal or IU/dL plasma)**	**Frequency of infusion**
Early hemarthrosis or muscle bleed or oral bleed	20-40	Begin infusion every 12 to 24 hours for one-three days until the bleeding episode as indicated by pain is resolved or healing is achieved.
More extensive hemarthrosis, muscle bleed, or hematoma	30-60	Repeat infusion every 12 to 24 hours for usually three days or more until pain and disability are resolved.
Life threatening bleeds such as head injury, throat bleed, severe abdominal pain	60-100	Repeat infusion every 8 to 24 hours until threat is resolved.
SURGERY		
Type of operation		
Minor surgery, including tooth extraction	60-80	A single infusion plus oral antifibrinolytic therapy within one hour is sufficient in approximately 70% of cases.
Major surgery	80-100 (pre- and post-operative)	Repeat infusion every 8 to 24 hours depending on state of healing.

If bleeding is not controlled with the prescribed dose, determine the plasma level of Factor VIII and administer a sufficient dose of HEMOFIL M to achieve a satisfactory clinical response.

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Under certain circumstances (e.g., presence of a low titer inhibitor) doses larger than those recommended may be necessary as per standard care. In patients with high titer Factor VIII inhibitors, HEMOFIL M therapy may not be effective and other therapeutic options should be considered. The dosage and duration of treatment depend on the severity of Factor VIII deficiency, the location and extent of the bleeding, and the patient's clinical condition. Careful control of replacement therapy is especially important in cases of major surgery or life threatening hemorrhages.

Reconstitution: Use Aseptic Technique

1. Bring HEMOFIL M (dry concentrate) and Sterile Water for Injection, USP, (diluent) to room temperature.
2. Remove caps from concentrate and diluent bottles to expose central portion of rubber stoppers.
3. Cleanse stoppers with germicidal solution.
4. Remove protective covering from one end of double-ended needle and insert exposed needle through diluent stopper.
5. Remove protective covering from other end of double-ended needle. Invert diluent bottle over upright HEMOFIL M bottle, then rapidly insert free end of the needle through the HEMOFIL M bottle stopper at its center. The vacuum in the HEMOFIL M bottle will draw in the diluent.
6. Disconnect the two bottles by removing needle from diluent bottle stopper, then remove needle from HEMOFIL M bottle. Swirl gently until all material is dissolved. Be sure that HEMOFIL M is completely dissolved; otherwise active material will be removed by the filter.

Note: Do not refrigerate after reconstitution.

Administration: Use Aseptic Technique

- Intravenous administration only.
- Administer at room temperature not more than 3 hours after reconstitution.
- Record the name and batch number of the product in order to maintain a link between the patient and the batch of the product.

Intravenous Syringe Injection

- Visually inspect parenteral product for particulate matter and discoloration prior to administration. The solution should be colorless in appearance. Do not administer if particulate matter or discoloration is found.
- Plastic syringes are recommended for use with this product. The ground glass surface of all-glass syringes tend to stick with solutions of this type.

1. Attach filter needle to a disposable syringe and draw back plunger to admit air into syringe.
2. Insert needle into reconstituted HEMOFIL M.
3. Inject air into bottle and then withdraw the reconstituted material into the syringe.
4. Remove and discard the filter needle from the syringe; attach a suitable needle and inject intravenously as instructed under *Rate of Administration*.
5. If a patient is to receive more than one bottle of HEMOFIL M, the contents of two bottles may be drawn into the same syringe by drawing up each bottle through a

separate unused filter needle. This practice lessens the loss of HEMOFIL M. Filter needles are intended to filter the contents of a single bottle of HEMOFIL M only.

Rate of Administration

Administer HEMOFIL M at a rate of up to 10 mL per minute. Infuse HEMOFIL M at a rate of administration that ensures the comfort of the patient *[see Precautions: Increase of Pulse Rate]*.

HOW SUPPLIED

HEMOFIL M is available as single-dose bottles that contain the following nominal potencies:

Nominal Potency	Kit NDC Number
250 IU	0944-3940-02
500 IU	0944-3942-02
1000 IU	0944-3944-02
1700 IU	0944-3946-02

Each bottle is labeled with the potency in International Units, and is packaged together with 10 mL of Sterile Water for Injection, USP, a double-ended needle, and a filter needle.

Not made with natural rubber latex.

Storage

HEMOFIL M can be stored at 2°C to 8°C (36°F to 46°F) or at room temperature, not to exceed 30°C (86°F), until expiration date noted on the package.

Do not freeze.

Information for Patients

- Advise patients to report any adverse reactions or problems following HEMOFIL M administration to their physician or healthcare provider.
- Advise pregnant women or immune compromised individuals of the effects of Parvovirus B19. Symptoms include fever, drowsiness, chills, runny nose followed about two weeks later by a rash, and joint pain.
- Inform patients of the signs and symptoms of hepatitis A, which include several days to weeks of poor appetite, tiredness, and low-grade fever followed by nausea, vomiting, and pain in the belly. Dark urine and a yellowed complexion are also common symptoms. Encourage patients to consult their physician if such symptoms appear.
- Inform patients of the early signs of hypersensitivity reactions including hives, generalized urticaria, facial edema, flushing, nausea, tightness of the chest, wheezing, dyspnea, hypotension, and anaphylaxis. Advise patients to discontinue use of the product and contact their physician if these symptoms occur.

REFERENCES

1. Horowitz B, Wiebe ME, Lippin A, *et al:* Inactivation of viruses in labile blood derivatives: 1. Disruption of lipid enveloped viruses by tri(n-butyl)phosphate detergent combinations. **Transfusion 25**:516-522, 1985.
2. Abildgaard CF, Simone JV, Corrigan JJ, *et al*: Treatment of hemophilia with glycine-precipitated Factor VIII. **New Eng J Med 275**:471-475, 1966.
3. Addiego, Jr. JE, Gomperts E, Liu S. *et al*: Treatment of hemophilia A with a highly purified Factor VIII concentrate prepared by Anti-FVIIIc immunoaffinity chromatography. **Thrombosis and Haemostasis 67**:19-27, 1992.

To enroll in the confidential, industry-wide Patient Notification System, call 1-888-873-2838.

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Lexington, MA 02421
U.S. License No. 1898

Revised: 3/2023

PRINCIPAL DISPLAY PANEL - 10 mL Bottle Label - 250 iU

10 mL size, dried
List 1502845
NDC 0944-3941-01

Antihemophilic Factor (Human)
Method M, Monoclonal Purified
HEMOFIL M
Nanofiltered

FVIII

Intravenous administration only

Store at 2° - 8°C (36° - 46°F) or room temperature,
not to exceed 30°C (86°F) until expiration date
noted on package.

Dosage and Administration: read package insert.
Contains no preservative.

Rx Only

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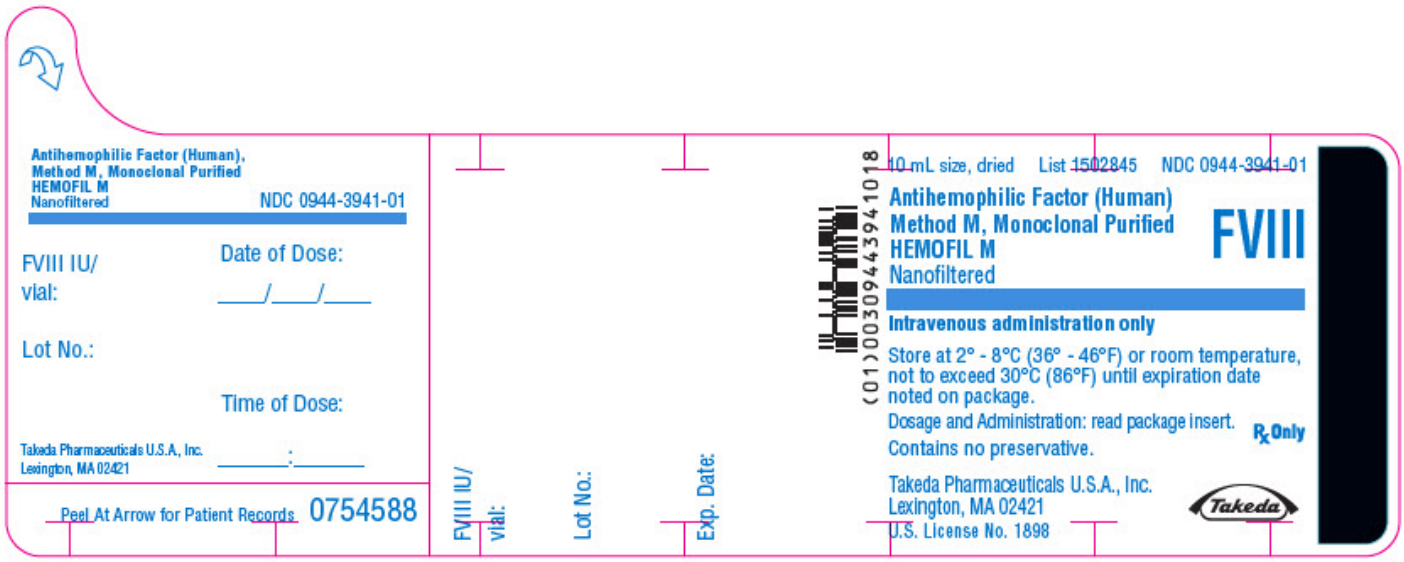

PRINCIPAL DISPLAY PANEL - Kit Carton - 250 iU

10 mL size, dried

NDC 0944-3940-02

Antihemophilic Factor (Human)
Method M, Monoclonal Purified
HEMOFIL M
Nanofiltered

FVIII

Takeda

Intravenous administration only.

Administer within 3 hours after reconstitution.

Dosage and Administration: Read full prescribing information.

Warning: This product is prepared from large pools of human plasma. Human blood and its components may transmit infectious agents. The patient and the physician should discuss the risks and benefits of this product.

Contains no preservative.

Rx Only

10 mL size, dried

NDC 0944-3940-02

Antihemophilic Factor (Human)
Method M, Monoclonal Purified
HEMOFIL M
Nanofiltered

FVIII

Takeda

Intravenous administration only.

Administer within 3 hours after reconstitution.

Dosage and Administration: Read full prescribing information.

Warning: This product is prepared from large pools of human plasma. Human blood and its components may transmit infectious agents. The patient and the physician should discuss the risks and benefits of this product.

Contains no preservative.

℞ Only

0 309443 940028

Antihemophilic Factor (Human)
Method M, Monoclonal Purified
HEMOFIL M
Nanofiltered

FVIII

Takeda

Store at 2° - 8°C (36° - 46°F) or room temperature, not to exceed 30°C (86°F) until expiration date noted on the package.

Do not freeze.

Date removed from refrigeration and placed at room temperature.

Date: _____/ _____/ _____

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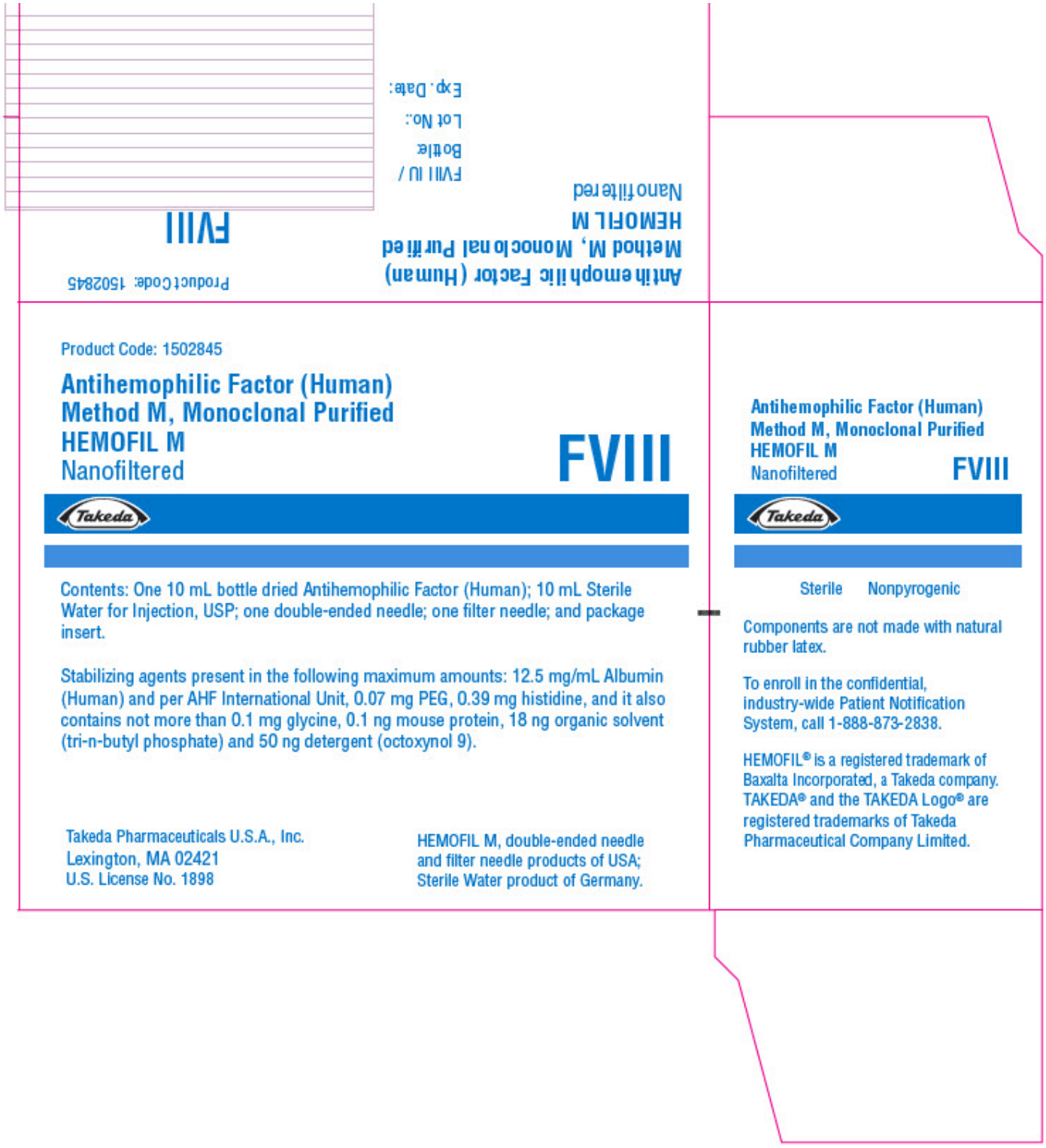
0754587



PRINCIPAL DISPLAY PANEL - 10 mL Bottle Label - 500 iU

10 mL size, dried
List 1502846
NDC 0944-3943-01

Antihemophilic Factor (Human)
Method M, Monoclonal Purified
HEMOFIL M
Nanofiltered

FVIII

Intravenous administration only

Store at 2° - 8°C (36° - 46°F) or room temperature, not to exceed 30°C (86°F) until expiration date noted on package.

Dosage and Administration: read package insert.
Contains no preservative.

Rx Only

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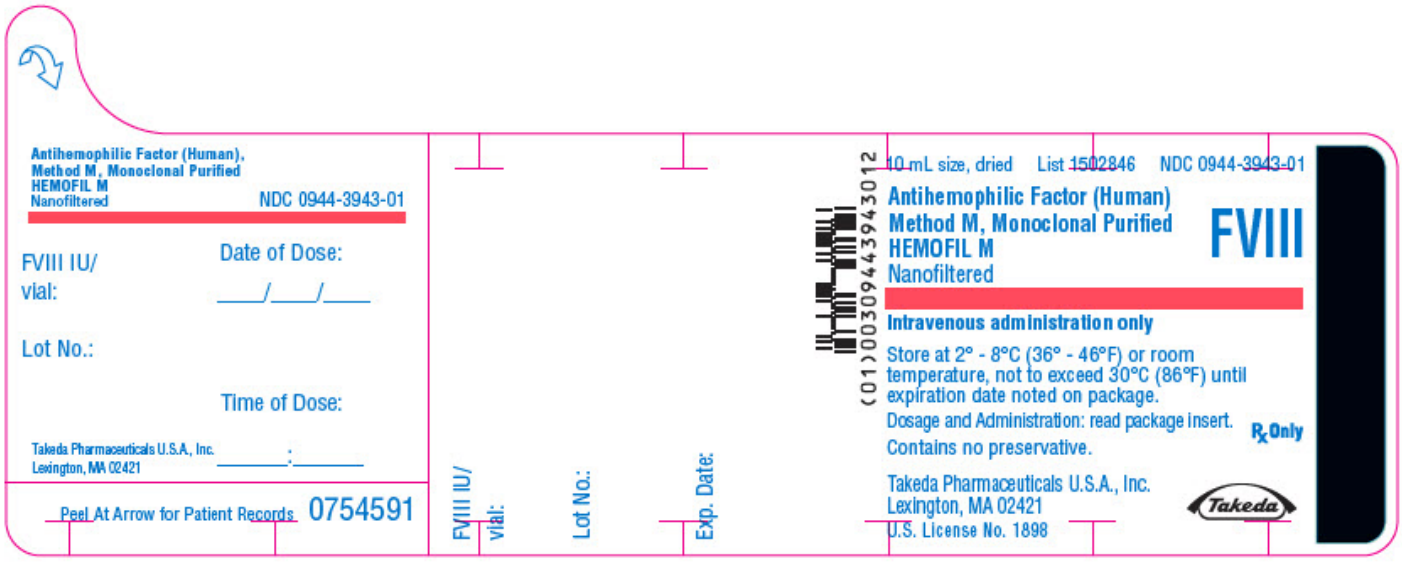
U.S. License No. 1898

Takeda



PRINCIPAL DISPLAY PANEL - Kit Carton - 500 iU

10 mL size, dried

NDC 0944-3942-02

Antihemophilic Factor (Human)
Method M, Monoclonal Purified
HEMOFIL M
Nanofiltered

FVIII

Takeda

Intravenous administration only.

Administer within 3 hours after reconstitution.

Dosage and Administration: Read full prescribing information.

Warning: This product is prepared from large pools of human plasma. Human blood and its components may transmit infectious agents. The patient and the physician should discuss the risks and benefits of this product.

Contains no preservative.

Rx Only

10 mL size, dried

NDC 0944-3942-02

Antihemophilic Factor (Human) Method M, Monoclonal Purified HEMOFIL M Nanofiltered

FVIII

Intravenous administration only.

Administer within 3 hours after reconstitution.

Dosage and Administration: Read full prescribing information.

Warning: This product is prepared from large pools of human plasma. Human blood and its components may transmit infectious agents. The patient and the physician should discuss the risks and benefits of this product.

Contains no preservative.

℞ Only

Antihemophilic Factor (Human) Method M, Monoclonal Purified HEMOFIL M Nanofiltered FVIII

Store at 2° - 8°C (36° - 46°F) or room temperature, not to exceed 30°C (86°F) until expiration date noted on the package.

Do not freeze.

Date removed from refrigeration and placed at room temperature.

Date: _____/ _____/ _____

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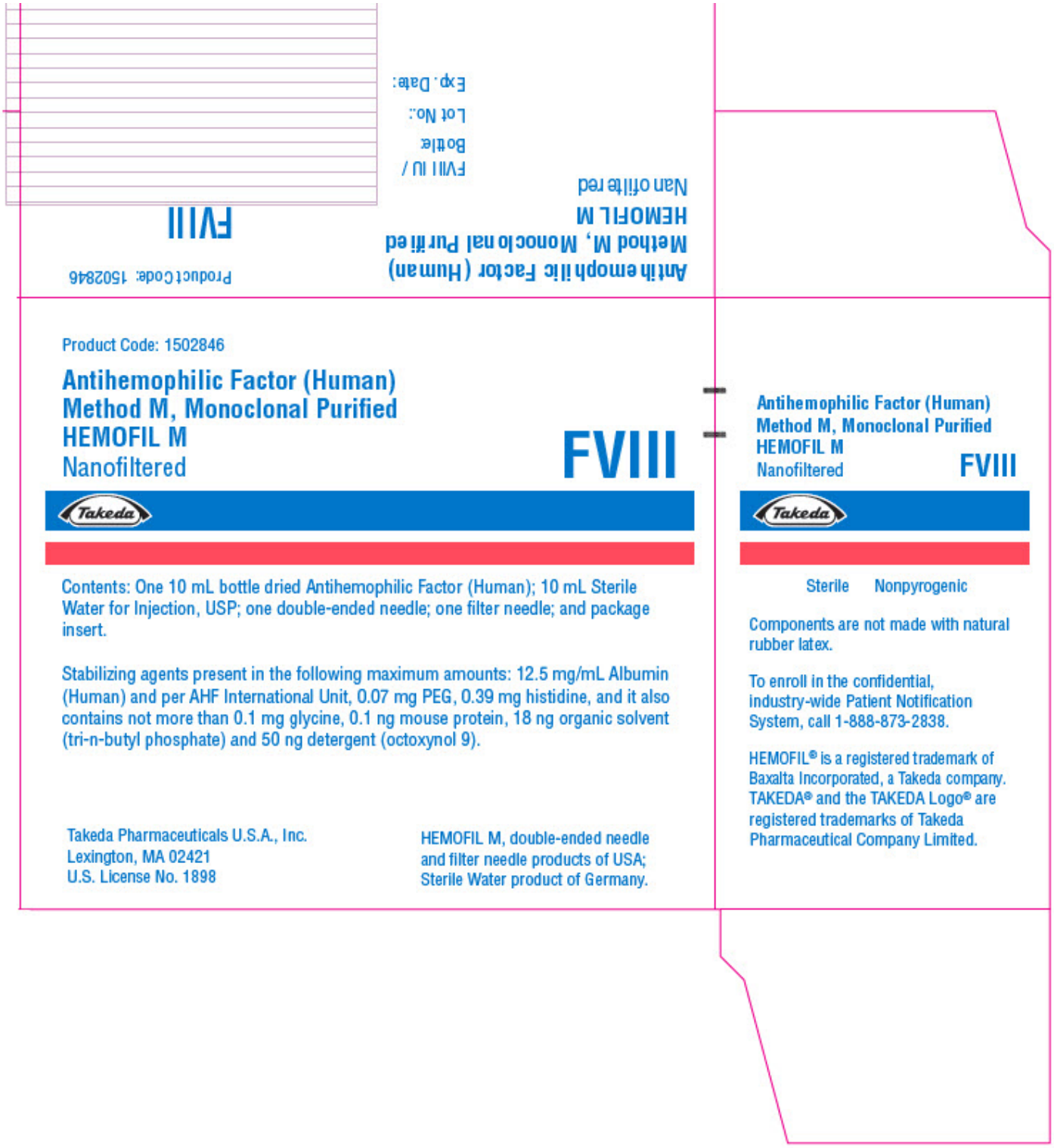
0754590



PRINCIPAL DISPLAY PANEL - 10 mL Bottle Label - 1000 iU

10 mL size, dried
List 1502847
NDC 0944-3945-01

Antihemophilic Factor (Human)
Method M, Monoclonal Purified
HEMOFIL M
Nanofiltered

FVIII

Intravenous administration only

Store at 2° - 8°C (36° - 46°F) or room temperature, not to exceed 30°C (86°F) until expiration date noted on package.

Dosage and Administration: read package insert.
Contains no preservative.

Rx Only

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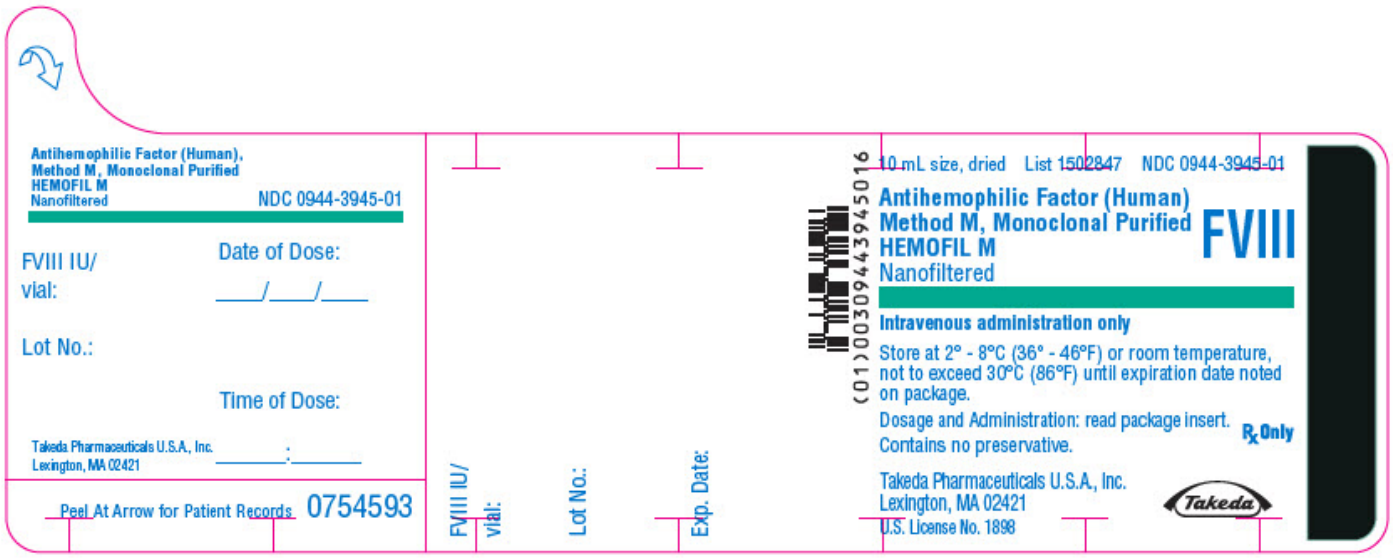

PRINCIPAL DISPLAY PANEL - Kit Carton - 1000 iU

10 mL size, dried

NDC 0944-3944-02

Antihemophilic Factor (Human)
Method M, Monoclonal Purified
HEMOFIL M
Nanofiltered

FVIII

Takeda

Intravenous administration only.

Administer within 3 hours after reconstitution.

Dosage and Administration: Read full prescribing information.

Warning: This product is prepared from large pools of human plasma. Human blood and its components may transmit infectious agents. The patient and the physician should discuss the risks and benefits of this product.

Contains no preservative.

Rx Only

10 mL size, dried

NDC 0944-3944-02

Antihemophilic Factor (Human)
Method M, Monoclonal Purified
HEMOFIL M
Nanofiltered

FVIII

Intravenous administration only.

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Contains no preservative.

℞ Only

Antihemophilic Factor (Human)
Method M, Monoclonal Purified
HEMOFIL M
Nanofiltered

FVIII

Store at 2° - 8°C (36° - 46°F) or room temperature, not to exceed 30°C (86°F) until expiration date noted on the package.

Do not freeze.

Date removed from refrigeration and placed at room temperature.

Date: _____/ _____/ _____

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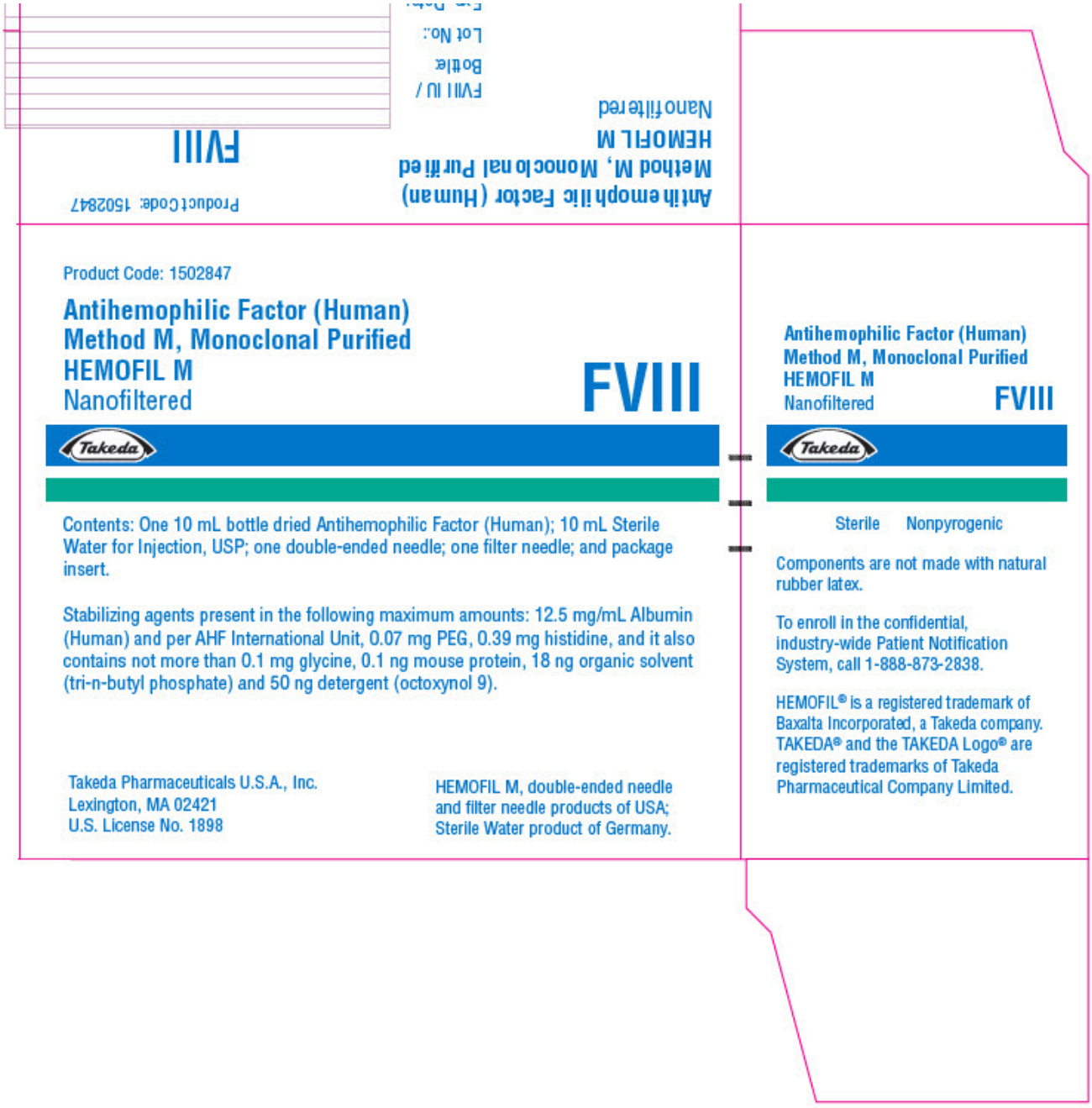
Exp. Date:



PRINCIPAL DISPLAY PANEL - 10 mL Bottle Label - 1700 iU

10 mL size, dried
List 1502848
NDC 0944-3947-01

Antihemophilic Factor (Human)
Method M, Monoclonal Purified
HEMOFIL M
Nanofiltered

FVIII

Intravenous administration only

Store at 2° - 8°C (36° - 46°F) or room

temperature, not to exceed 30°C (86°F) until expiration date noted on package.

Dosage and Administration: read package insert.
Contains no preservative.

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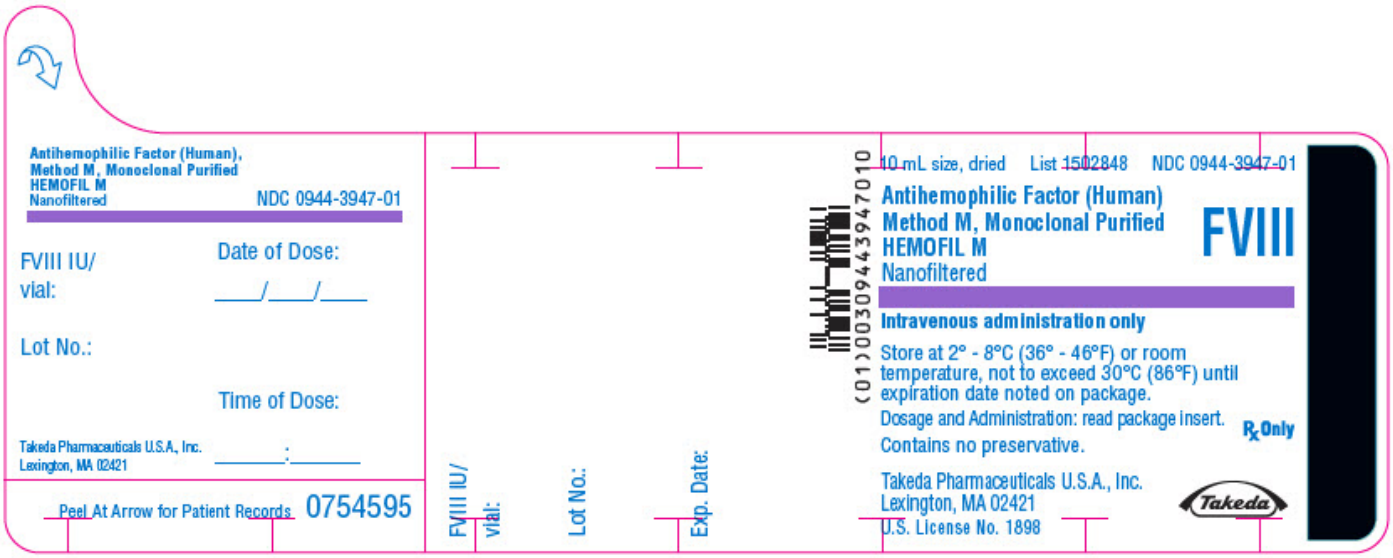


PRINCIPAL DISPLAY PANEL - Kit Carton - 1700 iU

10 mL size, dried

NDC 0944-3946-02

Antihemophilic Factor (Human)
Method M, Monoclonal Purified
HEMOFIL M
Nanofiltered

FVIII

Takeda

Intravenous administration only.

Administer within 3 hours after reconstitution.

Dosage and Administration: Read full prescribing information.

Warning: This product is prepared from large pools of human plasma. Human blood and its components may transmit infectious agents. The patient and the physician should discuss the risks and benefits of this product.

Contains no preservative.

Rx Only

10 mL size, dried

NDC 0944-3946-02

Antihemophilic Factor (Human) Method M, Monoclonal Purified HEMOFIL M Nanofiltered

FVIII

Takeda

Intravenous administration only.

Administer within 3 hours after reconstitution.

Dosage and Administration: Read full prescribing information.

Warning: This product is prepared from large pools of human plasma. Human blood and its components may transmit infectious agents. The patient and the physician should discuss the risks and benefits of this product.

Contains no preservative.

℞ Only

0 309443 946020

Antihemophilic Factor (Human) Method M, Monoclonal Purified HEMOFIL M Nanofiltered FVIII

Takeda

Store at 2° - 8°C (36° - 46°F) or room temperature, not to exceed 30°C (86°F) until expiration date noted on the package.

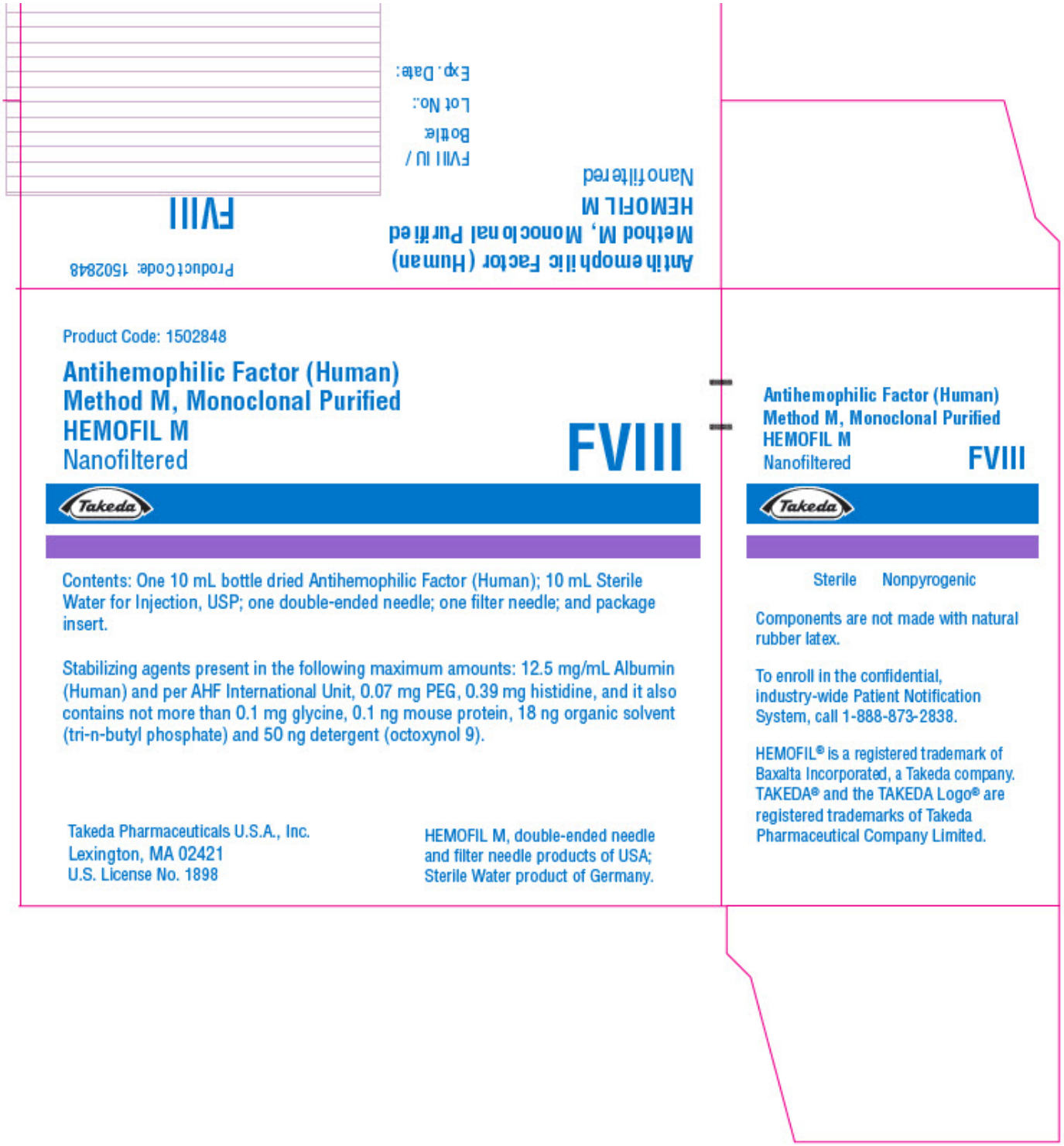
Do not freeze.

Date removed from refrigeration and placed at room temperature.

Date: _____/ _____/ _____

0754594

0754594



PRINCIPAL DISPLAY PANEL - 10 mL Vial Label

10 mL

NDC 64764-516-10

Takeda

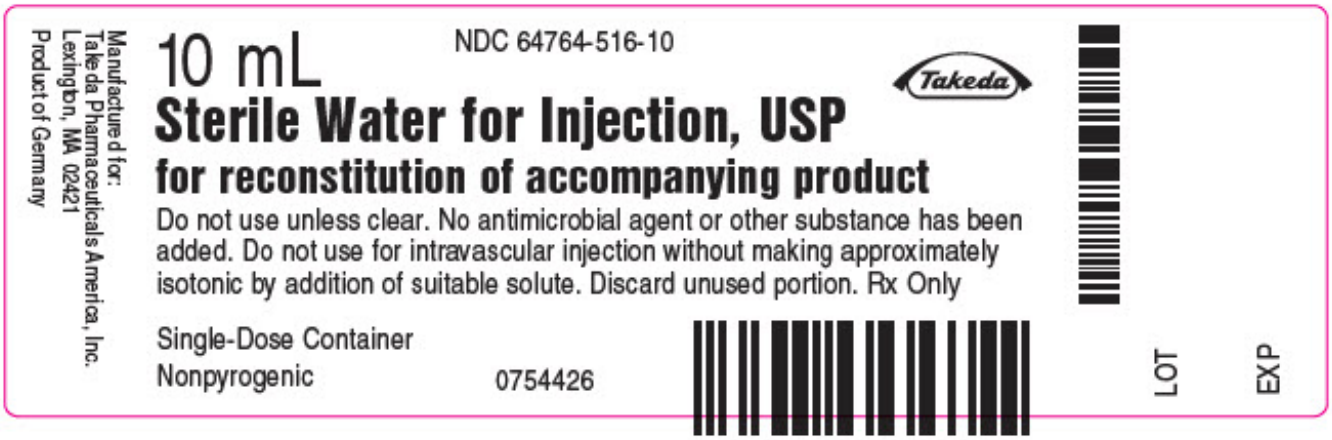
Sterile Water for Injection, USP
for reconstitution of accompanying product

Do not use unless clear. No antimicrobial agent or other substance has been

added. Do not use for intravascular injection without making approximately isotonic by addition of suitable solute. Discard unused portion. Rx Only

Single-Dose Container
Nonpyrogenic

0754426



HEMOFIL M

antihemophilic factor human kit

Product Information			
Product Type	PLASMA DERIVATIVE	**Item Code (Source)**	NDC:0944-3940

Packaging				
#	**Item Code**	**Package Description**	**Marketing Start Date**	**Marketing End Date**
1	NDC:0944-3940-02	1 in 1 CARTON		

Quantity of Parts		
Part #	**Package Quantity**	**Total Product Quantity**
Part 1	1 BOTTLE	10 mL
Part 2	1 VIAL, GLASS	10 mL

Part 1 of 2

HEMOFIL M

antihemophilic factor human powder, for solution

Product Information

Item Code (Source)	NDC:0944-3941
Route of Administration	INTRAVENOUS

Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
ANTIHEMOPHILIC FACTOR HUMAN (UNII: 839MOZ74GK) (ANTIHEMOPHILIC FACTOR HUMAN - UNII:839MOZ74GK)	ANTIHEMOPHILIC FACTOR HUMAN	250 [iU] in 10 mL

Inactive Ingredients

Ingredient Name	Strength
ALBUMIN HUMAN (UNII: ZIF514RVZR)	
POLYETHYLENE GLYCOL 3350 (UNII: G2M7P15E5P)	
HISTIDINE (UNII: 4QD397987E)	

Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:0944-3941-01	10 mL in 1 BOTTLE; Type 9: Other Type of Part 3 Combination Product (e.g., Drug/Device/Biological Product)		

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
BLA	BLA101448	02/23/1988	

Part 2 of 2

STERILE WATER

water liquid

Product Information

Item Code (Source)	NDC:64764-516
Route of Administration	INTRAVENOUS

Inactive Ingredients

Ingredient Name	Strength
WATER (UNII: 059QF0KO0R)	10 mL in 10 mL

Packaging				
#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:64764-516-10	10 mL in 1 VIAL, GLASS; Type 9: Other Type of Part 3 Combination Product (e.g., Drug/Device/Biological Product)		

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
BLA	BLA101448	02/23/1988	

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
BLA	BLA101448	02/23/1988	

HEMOFIL M

antihemophilic factor human kit

Product Information			
Product Type	PLASMA DERIVATIVE	**Item Code (Source)**	NDC:0944-3942

Packaging				
#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:0944-3942-02	1 in 1 CARTON		

Quantity of Parts		
Part #	Package Quantity	Total Product Quantity
Part 1	1 BOTTLE	10 mL
Part 2	1 VIAL, GLASS	10 mL

Part 1 of 2

HEMOFIL M

antihemophilic factor human powder, for solution

Product Information	
Item Code (Source)	NDC:0944-3943
Route of Administration	INTRAVENOUS

Active Ingredient/Active Moiety		
Ingredient Name	**Basis of Strength**	**Strength**
ANTIHEMOPHILIC FACTOR HUMAN (UNII: 839MOZ74GK) (ANTIHEMOPHILIC FACTOR HUMAN - UNII:839MOZ74GK)	ANTIHEMOPHILIC FACTOR HUMAN	500 [iU] in 10 mL

Inactive Ingredients	
Ingredient Name	**Strength**
ALBUMIN HUMAN (UNII: ZIF514RVZR)	
POLYETHYLENE GLYCOL 3350 (UNII: G2M7P15E5P)	
HISTIDINE (UNII: 4QD397987E)	

Packaging				
#	**Item Code**	**Package Description**	**Marketing Start Date**	**Marketing End Date**
1	NDC:0944-3943-01	10 mL in 1 BOTTLE; Type 9: Other Type of Part 3 Combination Product (e.g., Drug/Device/Biological Product)		

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
BLA	BLA101448	02/23/1988	

Part 2 of 2

STERILE WATER

water liquid

Product Information	
Item Code (Source)	NDC:64764-516
Route of Administration	INTRAVENOUS

Inactive Ingredients	
Ingredient Name	**Strength**
WATER (UNII: 059QF0KO0R)	10 mL in 10 mL

Packaging				
#	**Item**	**Package Description**	**Marketing**	**Marketing**

#	Code	Package Description	Start Date	End Date
1	NDC:64764-516-10	10 mL in 1 VIAL, GLASS; Type 9: Other Type of Part 3 Combination Product (e.g., Drug/Device/Biological Product)		

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
BLA	BLA101448	02/23/1988	

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
BLA	BLA101448	02/23/1988	

HEMOFIL M

antihemophilic factor human kit

Product Information

Product Type	PLASMA DERIVATIVE	**Item Code (Source)**	NDC:0944-3944

Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:0944-3944-02	1 in 1 CARTON		

Quantity of Parts

Part #	Package Quantity	Total Product Quantity
Part 1	1 BOTTLE	10 mL
Part 2	1 VIAL, GLASS	10 mL

Part 1 of 2

HEMOFIL M

antihemophilic factor human powder, for solution

Product Information

Item Code (Source)	NDC:0944-3945
Route of Administration	INTRAVENOUS

Active Ingredient/Active Moiety		
Ingredient Name	**Basis of Strength**	**Strength**
ANTIHEMOPHILIC FACTOR HUMAN (UNII: 839MOZ74GK) (ANTIHEMOPHILIC FACTOR HUMAN - UNII:839MOZ74GK)	ANTIHEMOPHILIC FACTOR HUMAN	1000 [iU] in 10 mL

Inactive Ingredients	
Ingredient Name	**Strength**
ALBUMIN HUMAN (UNII: ZIF514RVZR)	
POLYETHYLENE GLYCOL 3350 (UNII: G2M7P15E5P)	
HISTIDINE (UNII: 4QD397987E)	

Packaging				
#	**Item Code**	**Package Description**	**Marketing Start Date**	**Marketing End Date**
1	NDC:0944-3945-01	10 mL in 1 BOTTLE; Type 9: Other Type of Part 3 Combination Product (e.g., Drug/Device/Biological Product)		

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
BLA	BLA101448	02/23/1988	

Part 2 of 2

STERILE WATER

water liquid

Product Information	
Item Code (Source)	NDC:64764-516
Route of Administration	INTRAVENOUS

Inactive Ingredients	
Ingredient Name	**Strength**
WATER (UNII: 059QF0KO0R)	10 mL in 10 mL

Packaging				
#	**Item Code**	**Package Description**	**Marketing Start Date**	**Marketing End Date**
1	NDC:64764-516-10	10 mL in 1 VIAL, GLASS; Type 9: Other Type of Part 3 Combination Product (e.g., Drug/Device/Biological Product)		

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
BLA	BLA101448	02/23/1988	

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
BLA	BLA101448	02/23/1988	

HEMOFIL M

antihemophilic factor human kit

Product Information

Product Type	PLASMA DERIVATIVE	Item Code (Source)	NDC:0944-3946

Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:0944-3946-02	1 in 1 CARTON		

Quantity of Parts

Part #	Package Quantity	Total Product Quantity
Part 1	1 BOTTLE	10 mL
Part 2	1 VIAL, GLASS	10 mL

Part 1 of 2

HEMOFIL M

antihemophilic factor human powder, for solution

Product Information

Item Code (Source)	NDC:0944-3947
Route of Administration	INTRAVENOUS

Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength

ANTIHEMOPHILIC FACTOR HUMAN (UNII: 839MOZ74GK) (ANTIHEMOPHILIC FACTOR HUMAN - UNII:839MOZ74GK)	ANTIHEMOPHILIC FACTOR HUMAN	1700 [iU] in 10 mL

Inactive Ingredients

Ingredient Name	Strength
ALBUMIN HUMAN (UNII: ZIF514RVZR)	
POLYETHYLENE GLYCOL 3350 (UNII: G2M7P15E5P)	
HISTIDINE (UNII: 4QD397987E)	

Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:0944-3947-01	10 mL in 1 BOTTLE; Type 9: Other Type of Part 3 Combination Product (e.g., Drug/Device/Biological Product)		

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
BLA	BLA101448	02/23/1988	

Part 2 of 2

STERILE WATER

water liquid

Product Information

Item Code (Source)	NDC:64764-516
Route of Administration	INTRAVENOUS

Inactive Ingredients

Ingredient Name	Strength
WATER (UNII: 059QF0KO0R)	10 mL in 10 mL

Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:64764-516-10	10 mL in 1 VIAL, GLASS; Type 9: Other Type of Part 3 Combination Product (e.g., Drug/Device/Biological Product)		

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
BLA	BLA101448	02/23/1988	

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
BLA	BLA101448	02/23/1988	

Labeler - Takeda Pharmaceuticals America, Inc. (039997266)

Establishment

Name	Address	ID/FEI	Business Operations
BAXALTA US Inc.		085206634	MANUFACTURE(0944-3940, 0944-3942, 0944-3944, 0944-3946)

Establishment

Name	Address	ID/FEI	Business Operations
BAXALTA US Inc.		009471603	MANUFACTURE(0944-3940, 0944-3942, 0944-3944, 0944-3946)

Revised: 3/2023 Takeda Pharmaceuticals America, Inc.