HONEY BEE HYMENOPTERA VENOM VENOMIL DIAGNOSTIC- honey bee hymenoptera venom venomil diagnostic

HONEY BEE HYMENOPTERA VENOM VENOMIL MAINTENANCE- honey bee hymenoptera venom venomil maintenance

WHITE FACED HORNET HYMENOPTERA VENOM VENOMIL DIAGNOSTIC- white faced hornet hymenoptera venom venomil diagnostic

WHITE FACED HORNET HYMENOPTERA VENOM VENOMIL MAINTENANCEwhite faced hornet hymenoptera venom venomil maintenance

YELLOW HORNET HYMENOPTERA VENOM VENOMIL DIAGNOSTIC- yellow hornet hymenoptera venom venomil diagnostic

YELLOW HORNET HYMENOPTERA VENOM VENOMIL MAINTENANCE- yellow hornet hymenoptera venom venomil maintenance

WASP HYMENOPTERA VENOM VENOMIL DIAGNOSTIC- wasp hymenoptera venom venomil diagnostic

WASP HYMENOPTERA VENOM VENOMIL MAINTENANCE- wasp hymenoptera venom venomil maintenance

YELLOW JACKET HYMENOPTERA VENOM VENOMIL DIAGNOSTIC- yellow jacket hymenoptera venom venomil diagnostic

YELLOW JACKET HYMENOPTERA VENOM VENOMIL MAINTENANCE- yellow jacket hymenoptera venom venomil maintenance

MIXED VESPID HYMENOPTERA VENOM VENOMIL MAINTENANCE- mixed vespid hymenoptera venom venomil maintenance

Jubilant HollisterStier LLC

INSTRUCTIONS AND DOSAGE SCHEDULE FOR ALLERGENIC EXTRACTS HYMENOPTERA VENOM PRODUCTS (Honey Bee, Yellow Jacket, Yellow Hornet, White-Faced Hornet, Wasp, and Mixed Vespid) VENOMIL

WARNINGS

This product is intended for use only by licensed medical personnel experienced in administering allergenic extracts and trained to provide immediate emergency treatment in the event of a life-threatening reaction.

Hymenoptera Venom extracts may potentially elicit a severe life-threatening systemic reaction, rarely resulting in death.(1) Therefore, emergency measures and personnel trained in their use must be available immediately in the event of such a reaction. Patients should be instructed to recognize adverse reaction symptoms, observed in the office for at least 30 minutes after skin testing or treatment, and cautioned to contact the physician's office if symptoms occur. See ADVERSE REACTION, Section 4, of this instruction for information regarding adverse event reporting.

All patients should have available an Emergency Anaphylaxis Kit containing epinephrine and be instructed in its use for emergency treatment of possible systemic reactions occurring at times after the patient has departed the testing or treatment premises. Patients with cardiovascular diseases and/or pulmonary diseases such as symptomatic unstable, steroid-dependent asthma, and/or those who are receiving cardiovascular drugs such as beta blockers, may be at higher risk for severe adverse reactions. These patients may also be more refractory to the normal allergy treatment regimen. Patients should be treated only if the benefit of treatment outweighs the risks.(1)

Patients on beta blockers may be more reactive to allergens given for testing or treatment and may be unresponsive to the usual doses of epinephrine used to treat allergic reactions.(2)

Immunotherapy for insect sting allergy should be given to those patients who have experienced significant systemic reactions (for detailed description of symptoms see INDICATIONS AND USAGE and ADVERSE REACTIONS) from insect stings and who demonstrate hypersensitivity by skin testing with these products. The only approved method for diagnosing insect sting allergic patients for immunization is by skin testing.

This product must never be injected intravenously.

Refer also to CONTRAINDICATIONS, WARNINGS, PRECAUTIONS, ADVERSE REACTIONS and OVERDOSAGE for further discussion.

DESCRIPTION

Hymenoptera Venom Products available are sterile freeze-dried venom of Honey Bee (*Apis mellifera*) and venom protein of Yellow Jacket (*Vespula sp.*), Yellow Hornet (*Dolichovespula arenaria*), White-Faced Hornet (*Dolichovespula maculata*) and Wasp (*Polistes sp.*). Mixed Vespid venom protein (Yellow Jacket, Yellow Hornet and White-Faced Hornet) is also available.

The reconstituted single venom products are intended for subcutaneous injection for immunotherapy and percutaneous use for diagnosis. The Mixed Vespid venom protein is for immunotherapy only, not for diagnosis. Diagnosis should be based on individual venoms.

Because of the difficulty in collecting all species of Yellow Jacket and Wasp, the venom raw materials for these two insects may vary in species composition from lot to lot. A

listing of the exact species content for any particular lot of Yellow Jacket or Wasp venom protein may be obtained by calling Technical Services at Jubilant HollisterStier, (800) 992-1120.

Final containers of sterile freeze-dried venom products are sealed under vacuum. This will result in the diluting fluid being forcibly drawn into the sealed vial when the syringe needle penetrates the seal during reconstitution. See PRECAUTIONS.

Venom or venom protein is supplied in 2 mL diagnostic vials and in 2 mL vials for treatment maintenance. The chart below lists for each vial size the content of lyophilized venom or venom protein and reconstituted product, (mannitol and venom concentrations). Trace amounts of sodium chloride, potassium chloride, acetic acid and beta-alanine, as well as the constituents of the reconstituting fluid, will also be present.

	Vial Size	μg Venom or Venom Protein	Reconstitution	mg/mL Mannitol	Venom Concentration
Single Venom	2 mL	120	1.2 mL	7.7 mg/mL	100µg/mL
Mixed Vespid	2 mL	360	1.2 mL	23.1 mg/mL	300 µg/mL

See product configuration in DOSAGE AND ADMINISTRATION Section.

Maintenance sterile freeze-dried products can be reconstituted in Sterile Albumin Saline with Phenol (which contains 0.9% NaCl, 0.4% phenol and 0.03% Human Serum Albumin) to a concentration of 100 μ g/mL (300 μ g/mL for Mixed Vespid venom protein). The diagnostic product should be reconstituted only with Sterile Albumin Saline with Phenol (0.4%). See DOSAGE AND ADMINISTRATION for details of dilutions for diagnosis and treatment.

Space is provided on the container label to record the date (month, day, year) venom is reconstituted. Refer to dating period shown under PRECAUTIONS. At the time of reconstitution, write the calculated reconstituted product expiration date (month, day, year) on the vial label in the space provided.

CLINICAL PHARMACOLOGY

Diagnosis

Diluted solutions of stinging insect venom injected intradermally will produce wheal and erythema reactions in patients who have significant IgE-mediated, Type I immediate hypersensitivity to stings of these insects.

Treatment

Repeated injections of increasing doses of insect venom extracts have been shown to ameliorate the intensity of allergic symptoms upon subsequent insect stings.(3, 4) The mechanism by which hyposensitization is achieved is not known completely. IgG antibodies (blocking antibodies) appear in the serum of patients treated with injected venom. No direct relationship has been identified between the level of blocking antibody (or the ratio of blocking antibody to IgE antibody directed to the same venom antigens) and the degree of hyposensitization. However, patients who show protection from symptoms after stings have been found to have significant levels of specific blocking antibody.(3, 4)

Initially, after a period of immunotherapy with specific venom antigens, levels of IgE antibody may increase.(4)However, from studies carried out with other venom preparations, these levels are reported to decline after a time.(5) After maintenance level has been reached and maintained, symptoms after stings have been shown to decrease considerably.(3, 4)

It is not known if skin-sensitizing antibody can be eradicated or if the patient can be entirely cured, nor is it known how long immunotherapy must be continued. In a clinical study with Jubilant HollisterStier venom products, injections (using the Suggested Dose Schedule under DOSAGE AND ADMINISTRATION) were given once per week at one study center, and twice or more per week at another center.(4) (For further discussion, see below). It must be considered important to achieve the 100 µg per venom maintenance dose (the maintenance dose for Mixed Vespid venom protein is 300 µg), since there are no data on effectiveness of maintenance levels below 100 µg per venom.

In the clinical trial, 97% of patients at the maintenance dosage (100 µg per venom) showed no systemic reaction following an insect sting challenge.(4)The remaining 3% had a milder reaction than noted prior to treatment. The patients in this study reached maintenance (100 µg per venom) usually within 2 1/2 -3 1/2 months after beginning therapy.(4)Whether efficacy of therapy is influenced by the time required to reach maintenance has not yet been determined.

Large local reactions occurred in approximately 60% of the patients given immunotherapy. Some form of systemic response occurred, often repeatedly, in onethird of the patients treated in the clinical trial. (4) Only one systemic response occurred on the first dose given. The rest occurred at various times in the course of immunotherapy. Some systemic manifestations may have occurred because of the patient's apprehension, and did not require treatment. Approximately one-fourth of the patients experiencing systemic responses were given some form of specific therapy (epinephrine, theophylline, or metaproteranol), some on several occasions.(4) In deciding the criteria for proceeding from dose to dose of the Suggested Dose Schedule (see DOSAGE AND ADMINISTRATION), the results of the clinical study (4) should be considered. A study center "A" reporting the least number of systemic reactions during pre-maintenance treatment held the dose constant in most of the cases where significant local reactions occurred. With the systemic reactions reported, this center held the dose the same in approximately 80% of the incidences. The treatment injections were given at this center usually once per week, and if a patient missed an appointment, the next dose was often the same as the preceding dose (depending on the previous reactivity of the patient). Patients treated at this center reached maintenance in an average of 17-19 visits. Another study center "B", reporting a higher incidence of systemic reactions, was more regimented in following the Suggested Dose Schedule. This center reduced or held the dose the same in less than 10% of the cases reporting significant local reactions. With the systemic reactions reported, this center held the dose the same or reduced the dosage in approximately 20% of the cases. At this center, more than one injection per week was given at the outset as circumstances and sensitivity allowed. Patients treated at this center reached maintenance in an average of 14 visits.

Following the achievement of maintenance level (100 μ g per venom), approximately 80% or more patients were given a second maintenance injection at a 1-week interval. The third maintenance injection was usually (in approximately 60% of the patients) at a 2-

week interval. The next injection was usually within 3 weeks, and thereafter, the patients were injected for ongoing maintenance at approximately monthly intervals.(4)

INDICATIONS AND USAGE

Insect stings may induce a wide range of allergic symptoms in sensitive patients. A normal sting response is initial burning or stinging pain that may be intense and last several minutes to an hour or more. There is usually some local swelling coming on immediately and persisting for several days. The location of the sting has considerable influence on the intensity of the pain and extent of swelling. Stings on the fingers or feet produce much pain, but less swelling; whereas a sting on the head or face produces extensive swelling with variable pain.

Local reactions coming on rapidly and larger than the usual local reaction, particularly if the swelling spans both adjacent joints on the extremities, can indicate hypersensitivity. Systemic symptoms come on shortly after the sting, often within seconds to minutes. Symptoms may range from generalized flushing, itching, redness, diffuse swelling of the skin or urticarial wheals, abdominal cramps, nausea, vomiting, or incontinence of urine or stool, to faintness, blurring or loss of vision, unconsciousness, seizures, respiratory or cardiac arrest, or death. Later reactions may consist of fever, achiness, malaise, joint swelling, urticaria or other signs of vascular damage typical of serum sickness, a Type III reaction. Typical delayed Type IV reactions may also occur.(6) Rarely, other types of severe reactions to insect stings have been reported.(6)These include serum sickness, hematologic abnormalities, and neurological disorders commencing some time after a sting, and not associated with anaphylactoid reactions. These patients are not candidates for immunotherapy using insect venoms.

(1) Diagnosis

Skin testing with insect venoms is useful to demonstrate the presence of IgE antibodies which account for the patient's symptoms.(3)Patients are seldom able to identify the insect which stung them, so skin testing is used to determine the insect culprit. Dilutions of these venom products will help judge the sensitivity of the patient and whether the patient should be treated.(7)

It is not absolutely known what levels (micrograms) of venom, that elicit positive skin tests, are diagnostic of clinical sensitivity. However, patients with a history of reactions (any of three types: generalized urticaria or angioedema; respiratory difficulty due either to laryngeal edema or to bronchospasm; or vascular collapse, with or without loss of consciousness) to previous stings and a positive skin test to a venom intradermal injection of approximately 1 µg/mL had about a 60% chance of reacting again when stung by the same insect. These patients should receive venom immunotherapy.(3) Patients with a history of reaction (any of the three reaction types described above) to previous stings, but who did not demonstrate a positive skin test reaction to venom, were considered in a previous study not to be clinically sensitive, and were not treated.(3) We cannot recommend treatment for such patients.

Another study demonstrated false positive reactions when skin testing with venom concentrations of 10 μ g/mL and 100 μ g/mL was carried out.(8) Thus there can be a nonspecific skin test reaction potentially due to the pharmacological action of the venom at higher concentrations.

The best statement that can be made, at present, is that patients with significant positive history (reactions of the three types described above) following an insect sting, and who do react with a positive skin test to a venom concentration of 1 μ g/mL or less, are

recommended for treatment. Patients who have the history described above, but who do not react to a 1 µg/mL intradermal venom skin test, cannot be recommended for treatment. At present, the data does not exist, to determine whether a patient who might react to a higher concentration, e.g., 2-10 µg/mL, is at risk from a subsequent sting or not. Since it is not known if sting-sensitive patients who subsequently lose their IgE anti-venom antibody can be resensitized by further stings, it is advisable to retest these patients after any subsequent stings.(3) However, since the level of venomspecific IgE may fall to low levels briefly after a sting, patients should not be re-tested until 2 to 4 weeks after any sting.

(2) Treatment

Immunotherapy is indicated for those patients diagnosed as sensitive (see Diagnosis above) and is accomplished by using graduated dilutions of the appropriate insect venom or venoms to control the severity of the patient's symptoms from subsequent stings.

Increasing doses of venom are given at intervals, dependent on the patient's ability to tolerate the venoms, until a maintenance dosage (100 μ g per venom is recommended - 300 μ g in the case of the Mixed Vespid venom protein) is reached and maintained. Venom sensitivity differs for individual patients, thus it is not possible to provide a dosage schedule that is universally suited to all patients. The dosage schedule shown under DOSAGE AND ADMINISTRATION is a summary of the schedule used in clinical trials of our product and found suitable for the majority of patients.

In highly sensitive patients, the physician may be required to use a modified dose schedule, based on the patient's sensitivity to and tolerance of the injections. Lower initial doses and smaller dosage increments than shown under DOSAGE AND ADMINISTRATION may be necessary.

CONTRAINDICATIONS

There are no known absolute contraindications to immunotherapy using Hymenoptera Venom Products. See also PRECAUTIONS and WARNINGS.

Patients showing negative intradermal skin tests to specific venoms at 1 μ g/mL are not recommended for venom treatment.

Any injections, including immunotherapy, should be avoided in patients with a bleeding tendency. Patients with cardiovascular diseases and/or pulmonary diseases such as symptomatic unstable, steroid-dependent asthma, and/or those who are receiving cardiovascular drugs such as beta blockers, may be at higher risk for severe adverse reactions. These patients may also be more refractory to the normal allergy treatment regimen. Patients should be treated only if the benefit of treatment outweighs the risks.(1)

Patients on beta blockers may be more reactive to allergens given for testing or treatment and maybe unresponsive to the usual doses of epinephrine used to treat systemic reactions.(2)

Since there are differences of opinion concerning the possibility of routine immunizations exacerbating autoimmune diseases, immunotherapy should be given cautiously to patients with other immunologic diseases and only if the risk from insect stings is greater than the risk of exacerbating the underlying disorder.

WARNINGS

See WARNINGS box at the beginning of this Instruction Sheet. See also PRECAUTIONS. Venom extract must be temporarily withheld from patients or the dose adjusted downward if any of the following conditions exist: (1) severe symptoms of rhinitis and/or asthma; (2) infection or flu accompanied by fever; (3) any evidence of an excessively large local or any generalized reaction during the initial stages of immunotherapy, or during maintenance therapy; and/or (4) insect sting prior to a scheduled injection. Do not administer venom injections during a period of symptoms following an insect sting or on the day the patient received an insect sting, since this could result in an allergen load that exceeds the patient's tolerance.

THE CONCENTRATE MUST NOT BE INJECTED AT ANY TIME UNLESS TOLERANCE HAS BEEN ESTABLISHED. DILUTE CONCENTRATED EXTRACTS WITH STERILE ALBUMIN SALINE WITH PHENOL (0.4%) FOR SKIN TESTING AND IMMUNOTHERAPY. INJECTIONS MUST NEVER BE GIVEN INTRA VENOUSLY. Subcutaneous injection is recommended. Intracutaneous or intramuscular injections may produce large local reactions or be excessively painful. AFTER INSERTING NEEDLE SUBCUTANEOUSLY, BUT BEFORE INJECTING, ALWAYS WITHDRAW THE PLUNGER SLIGHTLY. IF BLOOD APPEARS IN THE SYRINGE, CHANGE NEEDLE AND GIVE THE INJECTION IN ANOTHER SITE. Patients with hypersensitivity to insect venom who undergo desensitization treatment while under concomitant therapy with ACE (angiotensin-converting enzyme) inhibitors, may have an increased risk of life-threatening anaphylactic reactions.(9) Patients without insect venom hypersensitivity, who take ACE inhibitors, and are stung by insects such as bee or wasp can show such reactions as well.(10)

Two patients undergoing desensitization treatment with Hymenoptera Venom while receiving ACE inhibitors sustained life-threatening anaphylactoid reactions. In the same patients, these reactions were avoided when ACE inhibitors were temporarily withheld, but they reappeared upon inadvertent rechallenge.(11)

IF CHANGING TO A DIFFERENT LOT OR A FRESHLY RECONSTITUTED VIAL OF VENOM EXTRACT:

All extracts lose potency over time, and a fresh extract could have an effective potency that is substantially greater than that of the old extract. The first dose from the new vial should not exceed 50% of the previous dose.

IF THE VENOM EXTRACT PREVIOUSLY USED WAS FROM ANOTHER MANUFACTURER: Since manufacturing processes and sources of raw materials differ among manufacturers, the interchangeability of extracts from different manufacturers cannot be insured. The starting dose of the venom extract therefore should be greatly decreased even though the extract is the same formula and dilution. In general, a dose reduction to 50% of the previous product dose should be adequate, but each situation must be evaluated separately considering the patient's history of sensitivity, tolerance of previous injections, and other factors. If the patient tolerates a 50% decrease, the next dose could be raised to the previous dose amount. If the decrease is greater than 50%, the next dose would need to be determined by the allergist, depending on the situation. Dose intervals should not exceed one week when rebuilding dose. See DOSAGE AND ADMINISTRATION.

IF A PROLONGED PERIOD OF TIME HAS ELAPSED SINCE THE LAST INJECTION: Patients may lose tolerance for allergen injections during prolonged periods between doses. The duration of tolerance is an individual characteristic and varies from patient to patient. In general, the longer the lapse in the injection schedule, the greater dose reduction required. If the interval since last dose is over four weeks, perform skin tests to determine starting dose. See DOSAGE AND ADMINISTRATION.

IF THE PREVIOUS EXTRACT WAS OUTDATED: The dating period for allergenic extracts indicates the time that they can be expected to remain potent under refrigerated storage conditions (2° - 8°C). During the storage of extracts, even under ideal conditions, some loss of potency occurs. For this reason, extracts should not be used beyond their expiration date. If a patient has been receiving injections of an outdated extract, s/he may experience excessive local or systemic reactions when changed to a new, and possibly more potent extract. In general, the longer the material has been outdated, the greater the dose reduction necessary when starting the fresh extract.

Proper selection of the dose and careful injection should prevent most systemic reactions. It must be remembered, however, that allergenic extracts are highly potent in sensitive individuals and that systemic reactions of varying degrees of severity may occur, ranging from mild to life-threatening anaphylaxis, or even death, as described under INDICATIONS AND USAGE and ADVERSE REACTIONS. Patients should be informed of this, and the warnings and precautions should be discussed prior to immunotherapy. See PRECAUTIONS below. Systemic reactions should be treated as indicated in ADVERSE REACTIONS.

PRECAUTIONS

1. GENERAL

The presence of asthmatic signs and symptoms appear to be an indicator for severe reactions following allergy injections. An assessment of airway obstruction either by measurement of peak flow or an alternate procedure may provide a useful indicator as to the advisability of administering an allergy injection. (1, 12-16)

Concentrated extracts must not be injected unless tolerance has been established.

Diluting fluid should be forcibly drawn into the sealed vial when the syringe needle penetrates the seal during reconstitution. Failure of this to occur for a particular vial indicates possible loss of vacuum. Vials without vacuum should be returned to the manufacturer.

Record date of reconstitution and expiration date of reconstituted product in the space provided on the product label. Date of expiration after reconstitution must not exceed the Final Expiration Date indicated on the container label. (See table below for expiration dates, including dilutions).

Store freeze-dried and reconstituted venom product, stock solutions and venom dilutions constantly at 2 - 8 C.

Venom Concentration	Diluent	Recommended Expiration Date*
100 µg/mL	Albumin Saline with Phenol (0.4%)	6 Months
10µg/mL	Albumin Saline with Phenol (0.4%)	1 month
1 μg/mL	Albumin Saline with Phenol (0.4%)	1 month
0.1 μg/mL	Albumin Saline with Phenol (0.4%)	14 days
Less than 0.1 µg/mL	Albumin Saline with Phenol (0.4%)	Prepare fresh daily

*But not to exceed Final Expiration Date indicated on the container label.

Sterile solutions, vials, syringes, etc., should be used and aseptic precautions observed in making dilutions.

To avoid cross-contamination, do not use the same needle to withdraw materials from vials of more than one extract, or extract followed by diluent.

A sterile tuberculin syringe, with a needle at least 5/8" long and graduated in 0.01 mL units, should be used to measure carefully each dose from the appropriate dilution. Aseptic techniques should always be employed when injections are being administered. A separate sterile syringe should be used for each patient to prevent transmission of hepatitis and other infectious agents from one person to another.

Patient reactions to previous injections should be reviewed before each new injection so that dose can be adjusted accordingly. See ADVERSE REACTIONS and WARNINGS. Rarely, a patient is encountered who develops systemic reactions to minute doses of allergen and does not demonstrate increasing tolerance to injections after several months of treatment. It is suggested that if systemic reactions or excessive local responses occur persistently at very small doses, efforts at immunotherapy should be stopped.

PATIENTS SHOULD BE OBSERVED IN THE OFFICE FOR AT LEAST 30 MINUTES AFTER SKIN TESTING AND AFTER EACH TREATMENT INJECTION. Most severe reactions will occur within this time period, and rapid treatment measures should be instituted. See ADVERSE REACTIONS for such treatment measures.

2. INFORMATION FOR PATIENTS

Patients should be instructed in the recognition of adverse reactions to immunotherapy, and in particular, to the symptoms of shock. (See WARNINGS box at the beginning of this Instruction Sheet). Patients should be made to understand the importance of a 30 minute observation period following skin testing or therapeutic injections, and be cautioned to return to the office promptly if symptoms occur after leaving. Patients should be instructed in the use of, and have available, an Emergency Anaphylaxis Kit for self-administration of epinephrine.

Patients must be instructed to report any insect stings that have occurred, since a venom injection should not be given on the same day as the sting, nor during a time when the patient is still experiencing symptoms from the sting.

3. DRUG INTERACTIONS

Patients with cardiovascular diseases and/or pulmonary diseases such as symptomatic, unstable, steroid-dependent asthma, and/or those who are receiving cardiovascular drugs such as beta blockers, may be at higher risk for severe adverse reactions. These patients may also be more refractory to the normal allergy treatment regimen. Patients should be treated only if the benefit of treatment outweighs the risks.(1) Patients on beta blockers may be more reactive to allergens given for testing or treatment and may be unresponsive to the usual doses of epinephrine used to treat allergic reactions.

See WARNINGS section regarding concurrent treatment with ACE inhibitors. Certain medications may lessen the skin test wheal and erythema responses elicited by allergens and histamine for varying time periods. Conventional antihistamines should be discontinued at least 5 days before skin testing. Long acting antihistamines should be discontinued for at least 3 weeks prior to skin testing.(17) Topical steroids should be discontinued at the skin test site for at least 2-3 weeks before skin testing.(17, 18) Tricyclic antidepressants such as doxepin, should be withheld for at least 7 days before skin testing.(19) Topical local anesthetics may suppress the flare responses and should be avoided on skin test sites.(20)

When using other drugs in patients receiving allergenic extracts, always consult the product labeling of the other drugs to determine any possible interaction with use of allergenic extracts, and specifically with stinging insect (Hymenoptera) venom extracts.

4. CARCINOGENESIS AND MUTAGENSIS AND IMPAIRMENT OF FERTILITY

Long-term studies in animals have not been conducted with allergenic extracts to determine their potential for carcinogenicity, mutagenicity, or impairment of fertility.

5. PREGNANCY

(12, 21)

Animal reproduction studies have not been conducted with Hymenoptera Venom Products. It is also not known whether Hymenoptera Venom Products can cause fetal harm when administered to a pregnant woman or can affect reproduction capacity. Hymenoptera Venom Products should be given to a pregnant woman only if clearly needed.

On the basis of histamine's known ability to contract uterine muscle, theoretically, a systemic reaction, whether occurring from insect sting or from venom skin testing or treatment dose, should be avoided. Therefore, the physician must carefully consider the benefit-to-risk ratio, to both patient and fetus, of continuing venom immunotherapy during pregnancy, or performing venom skin testing, and especially of initiating a venom immunotherapy program where there is a possibility that the patient may not be able to reach the recommended maintenance dose without significant risk of a systemic reaction.

6. NURSING MOTHERS

There are no current studies on secretion of the allergenic extract components in human milk or effect on the nursing infant. Because many drugs are excreted in human milk, caution should be exercised when allergenic extracts are administered to a nursing woman.

7. PEDIATRIC USE

Since dosage for the pediatric population is the same as for adults, the larger volumes of solution may produce excessive discomfort. Therefore, in order to achieve the total dose required, the volume of the dose may need to be divided into more than one injection per visit. A study done in children ages 4 to 17 showed no special problems with venom immunotherapy in this population.(22)

8. GERIATRIC USE

The reactions from immunotherapy can be expected to be the same in elderly patients as in younger ones. Elderly patients may be more likely to be on medication that could block the effect of epinephrine which could be used to treat serious reactions, or they could be more sensitive to the cardiovascular side effect of epinephrine because of preexisting cardiovascular disease.(23)

ADVERSE REACTIONS

Physicians administering Hymenoptera Venom testing or treatment materials should be experienced in the treatment of severe systemic reactions (see WARNINGS box at the beginning of this Instruction Sheet).

(1) Local Reactions

Some erythema, swelling or pruritis at the site of injection are common, the extent varying with the patient. Excessively large, painful or persistent local reactions can occur from skin tests or immunotherapy. Frequent application of cold, wet dressings to the area and/or the use of oral antihistamines will ameliorate the discomfort. Reactions usually subside in 24-36 hours. Large local reactions occurred in approximately 60% of the patients given immunotherapy in a clinical study. None of the local reactions required

specific treatment; however, subsequent injections in many instances were held to the previous dose or a reduced dose. Some patients had repeated large local reactions that slowed the increase in the immunotherapy dose.4

See CLINICAL PHARMACOLOGY and DOSAGE AND ADMINISTRATION Sections.

A mild burning immediately after the injection is to be expected. This usually leaves in 10 to 20 seconds. See also WARNINGS and PRECAUTIONS regarding proper method and route of injection.

(2) Systemic Reactions

Most severe systemic reactions will begin within a 30 minute time period, but systemic reactions may occur at any time after skin tests or immunotherapy. Symptoms may range from mild to life threatening from anaphylaxis as described under INDICATIONS AND USAGE.

With careful attention to dosage and administration, severe systemic reactions occur infrequently, but it cannot be overemphasized that in sensitive individuals, any injection could result in anaphylactic shock. Therefore, it is imperative that physicians administering allergenic extracts understand and be prepared for the treatment of severe reactions. See CLINICAL PHARMACOLOGY for clinical incidence of systemic reactions and course of action following these reactions.

If a systemic or anaphylactic reaction does occur, inject 1:1000 epinephrinehydrochloride intramuscularly or subcutaneously.

EPINEPHRINE DOSAGE

ADULT: 0.3 to 0.5 mL should be injected. Repeat in 5 to 10 minutes if necessary.

PEDIATRIC: The usual initial dose is 0.01 mg (mL) per kg body weight or 0.3 mg (mL) per square meter of body surface area. Suggested dosage for infants to 2 years of age is 0.05 mL to 0.1 mL; for children 2 to 6 years, 0.15 mL; and children 6 to 12 years, 0.2 mL. Single pediatric doses should not exceed 0.3 mg (mL). Doses may be repeated as frequently as every 20 minutes, depending on the severity of the condition and the response of the patient.

After administration of epinephrine, profound shock or vasomotor collapse should be treated with intravenous fluids, and possibly vasoactive drugs. Airway patency should be insured. Oxygen should be given by mask. Intravenous antihistamines, inhaled bronchodilators, theophylline and/or corticosteroids may be used if necessary after adequate epinephrine and circulatory support have been given.

Emergency resuscitation measures and personnel trained in their use must be available immediately in the event of a serious systemic or anaphylactic reaction not responsive to the above measures [Ref. J. Allergy and Clinical Immunology, 77(2): p.271-273, 1986]. Rarely are all of the above measures necessary; epinephrine usually produces a prompt response. However, the physician should be prepared in advance for all contingencies. Promptness in beginning emergency treatment measures is of utmost importance. For recommendations regarding how to proceed with venom extract dose following systemic reactions, see WARNINGS, PRECAUTIONS and DOSAGE AND

ADMINISTRATION.

3. Adverse Event Reporting

Report all adverse events to Jubilant HollisterStier LLC Customer Technical Services Department at 1(800) 992-1120. A voluntary adverse event reporting system for health professionals is available through the FDA MEDWATCH program. Preprinted forms (FDA Form 3500) are available from the FDA by calling 1(800) FDA-1088. Completed forms should be mailed to MEDWATCH, 5600 Fisher Lane, Rockville, MD 20852-9787 or Fax to: 1(800) FDA-0178.

OVERDOSAGE

See ADVERSE REACTIONS Section.

DOSAGE AND ADMINISTRATION

(1) General

Parenteral drug products should be inspected visually for particulate matter and discoloration prior to administration, whenever solution and container permit.

Reconstitute and dilute the freeze-dried venom as directed below. Sterile Albumin Saline with Phenol (0.4%) must be used to reconstitute and dilute the venoms for skin testing and treatment.

Reconstitute the freeze-dried venoms by adding 1.2 mL Sterile Albumin Saline with Phenol (0.4%) to the vial using a sterile syringe. Swirl or rock the container to dissolve the venom completely. DO NOT SHAKE, since shaking can cause foaming.

Dilutions (see table below) must be made in Sterile Albumin Saline with Phenol (0.4%). They must be made accurately and aseptically, using sterile solutions, vials, syringes, etc., and thoroughly mixed by rocking or swirling. DO NOT SHAKE. Maintain stock solutions and dilutions constantly at 2° - 8°C.

Extract of	Extract	Diluent	Dilution
Volume	Concentration	Volume	Concentration
1 part of	100 µg/mL	+9 parts	=10 μg/mL
1 part of	10 µg/mL	+9 parts	=1 μg/mL
1 part of	1µg/mL	+9 parts	=0.1µg/mL
1 part of	0.1 μg/mL	+9 parts	=0.01 µg/mL
1 part of	0.01 μg/mL	+9 parts	=0.001 µg/mL
1 part of	0.001 μg/mL	+9 parts	=0.0001 µg/mL

As an example of the above dilution table:

Extract of	Extract	Diluent	Dilution	
Volume	Concentration	Volume	Concentration	
0.2mL of	100 µg/mL	+1.8mL	=10 µg/mL	

0.2mL of	10 μg/mL	+1.8mL	=1 μg/mL
0.2mL of	1 μg/mL	+1.8mL	=0.1 μg/mL
0.2mL of	0.1 μg/mL	+1.8mL	=0.01 μg/mL
0.2mL of	0.01 μg/mL	+1.8mL	=0.001 μg/mL
0.2mL of	0.001 μg/mL	+1.8mL	=0.0001 μg/mL

NOTE: Mixed Vespid Venom Protein concentrations will be three times that shown above.

USE OF VENOMIL DIAGNOSTIC SETS

The Venomil Diagnostic Sets from Jubilant HollisterStier contain a vial of freeze dried venom protein that when reconstituted as instructed below will contain 100 μ g venom or venom protein/mL.

To use the Venomil Diagnostic set, follow these steps:

1. Open box and remove contents. Be sure to read the complete package Instruction Sheet paying particular attention to the WARNINGS, PRECAUTIONS,

CONTRAINDICATIONS, and ADVERSE REACTIONS.

2. Remove the freeze-dried venom vial and the vial of diluent provided with the kit. Withdraw 1.3 mL of Albumin Saline with Phenol (0.4%) from the diluent vial using a 2 or 3 mL disposable syringe. Expel some Albumin Saline with Phenol (0.4%) from the syringe until exactly 1.2 mL are remaining in the syringe. The remaining Albumin Saline with Phenol (0.4%) in the diluent vial may be marked "Control" and used as a negative control for prick testing.

3. Insert the needle of the diluent syringe into the vial of venom and expel the diluent. Remove the syringe. Swirl or rock the vial to dissolve the venom completely. DO NOT SHAKE. Shaking can cause foaming of the extract.

At this point, you have completed the reconstitution of the freeze-dried venom. The reconstituted products contain 100 μ g of venom or venom protein per mL. DO NOT USE THIS STRENGTH FOR INTRADERMAL SKIN TESTING. DISCARD AFTER THE DILUTIONS HAVE BEEN PREPARED.

4. Remove six vial labels from the kit and mark them: 10 μ g/mL, 1 μ g/mL, 0.1 μ g/mL, 0.01 μ g/mL and 0.0001 μ g/mL. Withdraw 0.2 mL of venom extract in a 1 mL syringe from the vial reconstituted in step #3. Insert the syringe needle into one vial of 1.8 mL Albumin Saline with Phenol (0.4%). Slowly expel the 0.2 mL venom into it. Swirl or rock to mix, and label 10 μ g/mL.

5. Withdraw 0.2 mL of the 10 μ g/mL venom extract and inject into another vial of 1.8 mL Albumin Saline with Phenol (0.4%). Mix and label 1 μ g/mL.

6. The four additional dilutions should be prepared in the same manner.

(2) Diagnosis

Since the level of insect venom specific IgE **may** fall to low levels briefly after a reaction to a sting, patients should not be tested until 2 to 4 weeks after any sting. Skin testing should be carried out with all five individual venoms, since many patients have multiple sensitivities.(4) Mixed Vespid venom protein should be used only for therapy - not for diagnosis.

Prick testing should be done **before** intradermal testing to determine appropriate concentration for intradermal testing. See Intradermal Tests. Skin testing (prick and

intradermal) provides information to assist in identifying those patients who are to be classified as extremely sensitive and who may not tolerate the Suggested Dose Schedule. See DOSAGE AND ADMINISTRATION, Immunotherapy CAUTION.

In **both** the prick and intradermal tests, a negative control test with diluent alone must be performed. A histamine positive control test is also recommended.

The flexor surface of the forearm is the usual location for skin testing. It is important that a separate sterile syringe and needle be used for each extract and each patient.

Prick Tests: Prick tests are accomplished by applying one drop of the 1 μ g/mL venom extract to the forearm, and by pricking the skin through the surface of the drop with a sterile 27 gauge needle. The prick is superficial and should not draw blood.

Skin response should be assessed after approximately 15-20 minutes.

For prick tests, a positive reaction (reaction greater than diluent control) at the 1 μ g/mL concentration indicates a high level of sensitivity to the test venom.

Intradermal Tests: Patients showing a positive reaction to the prick test at the 1 μ g/mL concentration should begin intradermal tests at concentrations of not more than 0.0001 to 0.001 μ g/mL. Patients with negative prick tests may begin intradermal tests at a concentration of 0.001 μ g/mL.

A 1 mL tuberculin syringe with a short 27-gauge needle should be used to deliver a volume of 0.05 mL for intradermal testing. Introduce the needle into the superficial skin layers, bevel down, until the bevel is completely buried, then slowly inject a 0.05 mL aliquot of the venom dilution, making a small bleb.

Start intradermal tests with the most dilute solution. If after 20 minutes no skin reaction is obtained, continue the intradermal testing using ten-fold increments in the concentration until a reaction of 5-10 mm wheal and 11-20 mm erythema is obtained, or until a concentration of 1 μ g/mL has been tested, whichever occurs first.

A patient should be considered sensitive to the test venom when a skin response of 5-10 mm wheal and 11-20 mm erythema (or greater) occurs at a concentration of 1 μ g/mL or less,(8)providing that this reaction is greater than that of the diluent control.

(3) Immunotherapy

For proper method and route of injection, see WARNINGS, PRECAUTIONS and ADVERSE REACTIONS.

The most common site of injection is the lateral aspect of the upper arm. Patients who have multiple venom sensitivities should be given each specific venom

injection in a separate site. (Except, if the patient has sensitivities to Yellow Jacket, Yellow Hornet, and White-Faced Hornet venoms concurrently, s/he can be injected with Mixed Vespid venom protein, an equal mixture of these three vespid venoms). Note which venom preparation is injected at a specific site, so that dosage of that venom preparation can be adjusted if an excessive local reaction occurs. In patients receiving more than one venom, there is theoretically a greater risk of systemic reactions.

CAUTION: Sensitivity to venom differs from patient to patient. Thus, it is not possible to provide a dosage schedule suitable for all patients. The Suggested Dose Schedule shown below was used in

clinical trials(4) and should be suitable for a majority of patients.

IN EXTREMELY SENSITIVE PATIENTS, however, an individualized dose schedule must be employed which will be dictated by the patient's sensitivity. This individualized schedule will probably include weaker dilutions and smaller increments between doses in progressing to the maintenance level (100 μ g per venom).

In identifying those patients to be classified as extremely sensitive, individuals reacting with significant skin test (wheal greater than 5 mm and erythema greater than 20 mm) at intradermal skin test concentrations of 0.01 μ g/mL or less, or those patients experiencing a systemic reaction to any venom skin test concentration, should be considered highly sensitive.

Dose No.	*Volume of 1 µg/mL	Dose No.	Volume of 10 µg/mL	Dose No.	Volume of 100 µg/mL
1	0.05 mL	5	0.05 mL	9	0.05mL
2	0.10 mL	6	0.10 mL	10	0.10mL
3	0.20 mL	7	0.20 mL	11	0.20mL
4	0.40 mL	8	0.40 mL	12	0.40mL
				13	0.60mL
				14	0.80mL
				15	1.00mL

Suggested Dose Schedule for a Single Venom:

Mixed Vespid Venom will contain three times the venom protein per mL shown in this table.

*See preceding CAUTION Section.

ALTERNATE MAINTENANCE DOSE SCHEDULE

If the above suggested dosage schedule has been followed, Dose #15 will have emptied the third vial of venom. There should now be three vials of freeze-dried venom remaining in the maintenance set. If a smaller volume maintenance dose is desired, then the remaining vials of venom may be reconstituted with 0.6 mL of Sterile Albumin Saline with Phenol (0.4%) instead of the previously recommended 1.2 mL. When 0.6 mL is used for reconstitution, the maintenance dose volume then becomes 0.5 mL instead of 1.0 mL. The 0.5 mL injection will still contain 100 micrograms of venom or venom protein. Precautions should be taken to ensure that maintenance level injections of 0.5 mL are given only from those vials of venom that have been reconstituted with 0.6 mL of diluting fluid. Any other volume used for reconstitution will not give 100 micrograms of venom or venom protein at a dosage of 0.5 mL in proceeding with the Suggested Dose Schedule, or modified schedules (for highly sensitive patients) it is recommended that injections be given at least once per week, as in the clinical studies. (See CLINICAL PHARMACOLOGY and INDICATIONS AND USAGE). When building the dose, it is important that dose intervals not exceed one week since longer intervals may decrease the patient's tolerance of the extract.

Based on the clinical studies (4)it is suggested that if a systemic, extremely large local (10 cm or more in duration, or other severe local symptoms), or persistent and severe delayed local reaction occurs during the dose building phase, the dose at the next visit be held constant (or reduced, depending on judgment of the severity of the reaction) as was done at Study Center "A," which reported the least number of systemic reactions during the course of therapy.

It must be considered important to achieve the 100 μ g per venom maintenance dose (the maintenance dose for Mixed Vespid venom protein is 300 μ g), since there are no

data on effectiveness of maintenance levels below 100 μ g per venom. Following the achievement of maintenance level (100 μ g per venom), it is recommended that a second maintenance injection be given at a 1-week interval, and a third maintenance injection at a 2-week interval. Administer the next injection at a 3-week interval, and then monthly for ongoing maintenance.

See CLINICAL PHARMACOLOGY and INDICATIONS AND USAGE for further information regarding clinical studies on which the above recommendations are based.

The optimum duration for immunotherapy is not known, so current recommendations are that maintenance injections be continued indefinitely, year around, particularly in patients experiencing life-threatening anaphylaxis after insect stings.

PEDIATRIC USE

The dose for the pediatric population is the same as for adults. (See PRECAUTIONS).

GERIATRIC USE

The dose for elderly patients is the same as for adult patients under 65.(23) (See PRECAUTIONS).

HOW SUPPLIED

Jubilant HollisterStier LLC sterile freeze-dried Hymenoptera Venom Products are supplied in vacuum-sealed vials containing venom extract and excipients: mannitol (for Vespid Venom Protein), and mannitol and sodium chloride (for Honey Bee Venom). (See the chart under DESCRIPTION or the latest Allergy Product Price List for vial sizes and content). Reconstituting fluid [Sterile Albumin Saline with Phenol (0.4%)] is supplied with the Venomil® kits, and is also available separately. (Note: Diagnostic kits also contain Sterile Empty Vials.)

Storage:

Store freeze-dried and reconstituted venom product, and venom dilutions, at 2° - 8° C, and keep at this temperature range during office use.

LIMITED WARRANTY

A number of factors beyond our control could reduce the efficacy of this product or even result in an ill effect following its use. These include storage and handling of the product after it leaves our hands, diagnosis, dosage, method of administration and biological differences in individual patients. Because of these factors, it is important that this product be stored properly and that the directions be followed carefully during use.

No warranty, express or implied, including any warranty of merchantability or fitness, is made. Representatives of the Company are not authorized to vary the terms or the contents of any printed labeling, including the package insert, for this product except by printed notice from the Company's headquarters. The prescriber and user of this product must accept the terms hereof.

REFERENCES

1. Lockey, Richard F., Linda M. Benedict, Paul C. Turkeltaub, Samuel C. Bukantz. Fatalities from immunotherapy (IT) and skin testing (ST). J. Allergy Clin. Immunol. 79 (4): 660-677, 1987.

2. Jacobs, Robert L., Goeffrey W. Rake, Jr., et. al. Potentiated anaphylaxis in patients with drug-induced beta-adrenergic blockade. J. Allergy Clin. Immunol. 68 (2): 125-127, August 1981.

3. Hunt, K. J., M. D. Valentine, A. K. Sobotka, A. W. Benton, F. J. Amodio, L. M. Lichtenstein. A controlled trial of immunotherapy in insect hypersensitivity. New Eng. J. Med. 299: 157-161, July 27, 1978.

4. Summary of data from BB-IND 1292 clinical studies, 1978-79, on Hollister-Stier products.

5. Amodio, F., L. Markley, M. D. Valentine, A. K. Sobotka, L. M. Lichtenstein. Maintenance immunotherapy for Hymenoptera sensitivity. J. Allergy Clin. Immunol. 61 (3): 134, 1978.

6. Reisman, R. E., Allergy Principles and Practice. E. Middleton, C. E. Reed, E. F. Ellis, ed. C. V. Mosby Co., 1978.

7. Sobotka, A. K., N. F. Adkinson, Jr., M. D. Valentine, L. M. Lichtenstein. Allergy to insect stings. IV. Diagnosis by R.A.S.T. J. Immunol. 121 (6): 2477-2484, 1978.

8. Hunt, K. J., M. D. Valentine, A. K. Sobotka, L. M. Lichtenstein. Diagnosis of allergy to stinging insects by skin testing with Hymenoptera venoms. Annals Int. Med. 85: 56-59, 1976.

9. Annals of Allergy, Asthma and Immunology. Inhibitors of angiotensin II: Potential hazards for patients at risk for anaphylaxis. Editorial. 78: 527-529, June 1997.

10. Pharm. Ind. (Germany). Anaphylactoid reactions in patients treated with ACE inhibitor treatment in combination with desensitization treatment or after insect bites. 56 (9): IX226-227, 1994.

11. Tunon-De-Lara, J. M., et al. ACE inhibitors and anaphylactoid reactions during venom immunotherapy. The Lancet (United Kingdom). 340 (8824): 908, Oct. 10, 1992.

12. Weinstien, A. M., B. D. Dubin, W. K. Podleski, S. L. Spector, R. S. Farr. Asthma and pregnancy. JAMA. 124 (11): 1161-1165, 1979.

13. Reid, M. J., R. F. Lockey, P. C. Turkletaub, T. A. E. Platts-Mills. Survey of fatalities from skin testing and immunotherapy. J. Allergy Clin. Immunol. 92 (1): 6-15, July 1993.

14. Reid, M. J., G. Gurka. Deaths associated with skin testing and immunotherapy. J. Allergy Clin. Immunol. 97 (1) Part 3:231, Abstract 195, January 1996.

15. Thompson, R. A. et al. Report of a WHO/IUIS working group. The current status of allergen immunotherapy (hyposensitization). Allergy. 44: 369-379, 1989.

16. Malling, H.J., B. Weeke, et al. The European Academy of Allergology and Clinical Immunology. Position Papers. Allergy. 48 (Supplement 14): 9-82, 1993.

17. Pipkorn, Ulf. Pharmacological influence of anti-allergic medication on *In Vivo* allergen testing. Allergy. 43: 81-86, 1988.

18. Andersson, M. U. Pipkorn. Inhibition of the dermal immediate allergic reaction through prolonged treatment with topical glucocorticosteroids. J. Allergy Clin. Immunol. 79 (2): 345-349, February 1987.

19. Rao, Kamineni S., et al. Duration of suppressive effect of tricyclic anti-depressants on histamine induced wheal and flare reactions on human skin. J. Allergy Clin. Immunol. 82: 752-757, November 1988.

20. Pipkorn, Ulf, M. Andersson. Topical dermal anesthesia inhibits the flare but not the wheal response to allergen and histamine in the skin prick test. Clinical Allergy. 17: 307-311, 1987.

21. DuBuske, L. M., C. J. Ling, A. L. Sheffer. Special problems regarding allergy immunotherapy. Immunol. Allergy Clin. North Am. (USA). 12 (1): 145-175, 1992.

22. Graft, D., K. Schuberth, A. Kagey-Sobotka, K. Kwiterovich, Y. Niv, L. Lichtenstein, M. Valentine. Assessment of prolonged venom immunotherapy in children. J. Allergy Clin. Immunol. 80 (2): 162-169, August 1987.

23. Peebles, Ray Stokes, Jr., B. Bochner, Howard J. Zeitz, ed. Anaphylaxis in the elderly. Immunol. Allergy Clin. of North Am. 13 (3): 627-646, August 1993.

SUGGESTED DOSAGE CHART

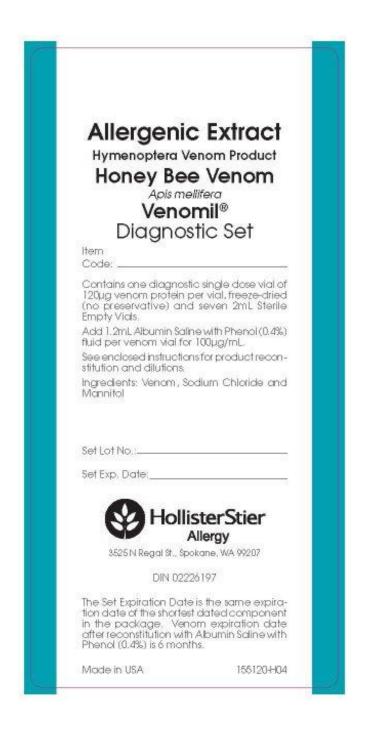
SUGGESTED DOSAGE CHART FOR HYMENOPTERA VENOM PRODUCTS

Schedule for Immunotherapy

Dr.		Patient		Venom Produc	:t	Lot No.
Dose No.	Volume of 1 μg/mL	Dose No.	Volume of 10 μg/mL	Dose No.	Volume of 100 μg/mL	CAUTION
	0.05 mL	5	0.05 mL	9	0.05 mL	See INDICATIONS AND USAGE
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(Dr. Signature)

Honey Bee Venomil Diagnostic Image



Honey Bee Venomil Diagnostic Carton Label



(01)00365044996017 (17)201101 (10)T0000423 (21)10000000004

Honey Bee Venomil Maintenance Image

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Honey Bee Venomil Maintenance Carton Label



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Mixed Vespid Venomil Maintenance Image

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Mixed Vespid Venomil Maintenance Carton Label



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Wasp Venomil Diagnostic Image

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Wasp Venomil Diagnostic Carton Label



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Wasp Venomil Maintenance Carton Label



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White Faced Hornet Venomil Diagnostic Image

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White-Faced Hornet Venomil Diagnostic Carton Label



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White Faced Hornet Venomil Maintenance Image

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White-Faced Hornet Venomil Maintenance Carton Label



(01)00365044997113 (17)201101 (10)T0000428 (21)000000000001

Yellow Hornet Venomil Diagnostic Image

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Yellow Hornet Venomil Diagnostic Carton Label



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Yellow Hornet Venomil Maintenance Image

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Yellow Hornet Venomil Maintenance Carton Label



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Yellow Jacket Venomil Diagnostic Image

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Yellow Jacket Venomil Diagnostic Carton Label



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Yellow Jacket Venomil Maintenance Image

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Yellow Jacket Venomil Maintenance Carton Label



(01)00365044997410 (17)201101 (10)10000438 (21)00000000001

Honey Bee Venomil Single Vial Image

ALLERGENIC EXTRACT

Hymenoptera Venom Product

Mannitol as Excipient Freeze-dried No Preservative HONEY BEE VENOM Apis mellifera Venomil® Diagnostic



(01)00365044222222 (17)240407 (10)82000002 (21)100000000015

Reconstitute with 1.2 mL Sterile Albumin Saline with Phenol (0.4%) for 100 µg per mL venom protein. Mix gently after reconstitution.

Item: 6781P1 Lot: B2000002 Exp: 2024Apr07 Dose/Route/Direction for Use: See Package Insert

Store at 2-8°C Item: 6781P1 Rx Only - Sterile

Non-Returnable

50000001265 - H01

U.S. License No.1272

NDC: 65044-9986-1

Honey Bee Venomil Single Vial Image

Wasp Venomil Single Vial Image

	ALLERGENIC EXTRACT Hymenoptera Venom Product WASP	
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	(0.4%) for 100 μg per mL venom protein. Mix gently after reconstitution.	
Item: 6784P1 Lot: A1300023 Exp: 2019Jul02	Dose/Route/Direction for Use: See Package Insert	U.S. License No.1272 NDC: 65044-9989-1
Exp. 20135002	Store at 2-8°C Item: 6784P1 Rx Only - Sterile	
Non-Returnable		50000001269 - H01

Wasp Venomil Single Vial Image

White Faced Hornet Venomil Single Vial Image

Mannitol as Excipient Freeze-dried No Preservative	ALLERGENIC EXTRACT Hymenoptera Venom Product WHITE-FACED HORNET VENOM PROTEIN	
	Dolichovespula maculata Venomil [®] Diagnostic	(01)00365044222222 (17)190702 (10)A1300117 (21)10000000003
	Reconstitute with 1.2 mL Sterile Albumin Saline with Phenol (0.4%) for 100 µg per mL venom protein. Mix gently after reconstitution.	U.S. License No.1272
Item: 6782P1 Lot: A1300117 Exp: 2019Jul02	Dose/Route/Direction for Use: See Package Insert Store at 2-8°C Item: 6782P1	NDC: 65044-9987-1
Non-Returnable	Rx Only - Sterile	50000001268 - H01

White Faced Hornet Venomil Single Vial Image

Yellow Hornet Venomil Single Vial Image

ALLERGENIC EXTRACT

Hymenoptera Venom Product

YELLOW HORNET VENOM PROTEIN

Dolichovespula arenaria Venomil[®] Diagnostic



(01)0036504422222 (17)190702 (10)B2000004 (21)10000000010

Reconstitute with 1.2 mL Sterile Albumin Saline with Phenol (0.4%) for 100 µg per mL venom protein. Mix gently after reconstitution.

Dose/Route/Direction for Use: See Package Insert U.S. License No.1272 NDC: 65044-9988-1

Item: 6783P1 Lot: B2000004 Exp: 2019Jul02

Store at 2-8°C Item: 6783P1 Rx Only - Sterile

Non-Returnable

50000001267 - H01

Yellow Hornet Venomil Single Vial Image

Yellow Jacket Venomil Single Vial Image

Mannitol as Excipient Freeze-dried No Preservative

Mannitol as Excipient Freeze-dried No Preservative	ALLERGENIC EXTRACT Hymenoptera Venom Product YELLOW JACKET VENOM PROTEIN Vespula species Venomil [®] Diagnostic Reconstitute with 1.2 mL Sterile Albumin Saline with Phenol (0.4%) for 100 µg per mL venom protein. Mix gently after reconstitution.	(01)00365044222222 (17)190702 (10)B2000027 (21)10000000010
Item: 6785P1 Lot: B2000027	Dose/Route/Direction for Use: See Package Insert	U.S. License No.1272 NDC: 65044-9994-1
Exp: 2019Jul02	Store at 2-8°C Item: 6785P Rx Only - Sterile	1
Non-Returnable		5000001266 - H01

Yellow Jacket Venomil Single Vial Image

Н		HYMENOPTERA VENO			STIC					
	HONEY BEE HYMENOPTERA VENOM VENOMIL DIAGNOSTIC honey bee hymenoptera venom venomil diagnostic kit									
Product Information										
Pr	oduct Type	STANDARDIZED ALLERGENIC	Iter	m Code (Source)	NDC:65044-9960					
D										
Pa	ackaging									
#	ltem Code	Package Description		Marketing Start Date	Marketing End Date					
1	NDC:65044-9960- 1	1 in 1 TRAY; Type 0: Not a Combinat Product	ion							
•										
	uantity of Pa									
	art #	Package Quantity	Total Product Quantity							
Ра	rt 1 1 VIAL		1.2 mL							
P	art 1 of 1									

Product Inform	ation					
Item Code (Source		NDC:65044-9980				
Route of Administration INTRADERMAL, PERCUTANEOUS						
	lation	INTRADERMAL, PERCUTANEOUS				
Active Ingredie	nt/Active	Moiety				
	Ingi	edient Name		Basis Streng		Strength
APIS MELLIFERA VEI JNII:760130881M)	NOM (UNII: 7)	50130881M) (APIS MELLIFERA VEN	ОМ -	APIS MELLIFE VENOM	RA	100 ug in 1 mL
Inactive Ingred	ionts					
mactive myreu		gredient Name			Stren	ath
MANNITOL (UNII: 30V					otren	9
Packaging # Item Code		kage Description	Marketin Da			eting End Date
	2 mL in 1 VI Product	AL; Type 0: Not a Combination				
Marketing Ir	nformat	ion				
Marketing Category	Applica	tion Number or Monograph Citation		ing Start ate	Mark	eting End Date
BLA	BLA103882		02/22/198	2		
Marketing Ir	nformat	ion				
Marketing	Applica	tion Number or Monograph Citation		ing Start ate	Mark	eting End Date
Category	BLA103882		02/22/198	2		
BLA						

Item Code (Source)

NDC:65044-9970

STANDARDIZED ALLERGENIC

Product Type

	ickaging	Dee			Marketing	ı Start	Mark	eting End
ŧ	ltem Code		kage Description		Date			Date
-	NDC:65044-9970 1)- 1 in 1 TRAY; 1 Product	ype 0: Not a Combination					
ונ	uantity of P	arts						
-	rt #	Package C	Juantity		Total F	roduct Q	uantity	,
' a	rt 1 6 VIAL			nL in			-	
D	art 1 of 1							
	-		OPTERA VENOM					
۱C	ney bee hym	enoptera ven	om injection, powder, l	yoph	ilized, for so	olution		
P	oduct Info	mation						
	em Code (Sou		NDC:65044-9980					
	ute of Admin		SUBCUTANEOUS					
		istration	SUBCUTANEOUS					
40	tive Ingred	ient/Active	Moiety					
		Ingi	edient Name			Basis Strer		Strengt
		/ENOM (UNII: 7	50130881M) (APIS MELLIFER	A VEN	IOM -	APIS MELLI	FERA	100 ug
עונ	II:760130881M)					VENOM		in 1 mL
n	active Ingre						<u> </u>	
л л	NNITOL (UNII: 3		gredient Name				Stre	ngth
-17-		JOWEJJEJOA)						
Pa	ckaging							
#	ltem Code	Pa	ckage Description		Marketin Da		Mar	ceting End Date
	NDC:65044-		AL; Type 0: Not a Combinatio	on	24			
	9980-2	Product						
Μ	arketing	Informat	ion					
	Marketing		tion Number or Monog	raph	Market	ing Start	Ma	rketing End
3L/	Category	BLA103882	Citation	-	D 02/22/198	ate		Date

Marketing I	nformat	ion			
Marketing Category	Applicat	tion Number or Mo Citation	nograph	Marketing Start Date	Marketing End Date
BLA	BLA103882			02/22/1982	
DIAGNOSTIC					11L
while laced nome	t nymenopt	era venom venomil	laiagnost		
Product Inform	nation				
Product Type	STANDARDI	ZED ALLERGENIC	ltem	Code (Source)	NDC:65044-9961
Packaging					
# Item Code	Pac	kage Description		Marketing Start Date	Marketing End Date
1 NDC:65044-9961-	1 in 1 TRAY; T Product	ype 0: Not a Combinat	ion		
Quantity of Pa	rts				
Part #	Package Q	Duantity		Total Product Q	uantity
Part 1 1 VIAL		-	1.2 mL		,
Part 1 of 1					
_	_	NET HYMENO		VENOM r, lyophilized, for solu	tion
	ernymenop		n, powde		uon
Product Inform	nation				
ltem Code (Sourc	ce)	NDC:65044-9981			
Route of Adminis	tration	INTRADERMAL, PERCU	TANEOUS		

Active Ingredient/Active Moiety							
Ingredient Name	Basis of Strength	Strength					
DOLICHOVESPULA MACULATA VENOM PROTEIN (UNII: J8DAZ 3T66L) (DOLICHOVESPULA MACULATA VENOM PROTEIN - UNII: J8DAZ 3T66L)	DOLICHOVES PULA MACULATA VENOM PROTEIN	100 ug in 1 mL					

Inactive Ingredients

	Ingredient Name		Strength
MANNITOL (UNII: 3			
SODIUM CHLORID	E (UNII: 451W47IQ8X)		
POTASSIUM CHLO	RIDE (UNII: 660YQ98I10)		
ACETIC ACID (UNII	: Q40Q9N063P)		
ALANINE (UNII: OF5	5P57N2ZX)		
Packaging			
# Item Code	Package Description	Marketing Start Date	Marketing End Date
1 NDC:65044- 9981-2	1.2 mL in 1 VIAL; Type 0: Not a Combination Product		
Marketing	Information		
Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
BLA	BLA103885	02/22/1982	
Marketing	Information		
Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
BLA	BLA103885	02/22/1982	

WHITE FACED HORNET HYMENOPTERA VENOM VENOMIL MAINTENANCE

white faced hornet hymenoptera venom venomil maintenance kit

Product Information

Code (Source) NDC:65044-9971
Code

Packaging

NDC:65044-9971- 1 in 1 TRAY; Type 0: Not a Combination	Date
1 Product	

Quantity of Parts

Part #	Package Quantity	Total Product Quantity
Part 1	6 VIAL	7.2 mL in 6

Part 1 of 1

WHITE FACED HORNET HYMENOPTERA VENOM

white faced hornet hymenoptera venom injection, powder, lyophilized, for solution

Ρ	roduct Infor	mation					
It	em Code (Sou	rce)	NDC:65044-9981				
R	oute of Admin	istration	SUBCUTANEOUS				
Α	ctive Ingred	ient/Active	Moiety				
	J		dient Name		Basis of S	Strength	Strength
			ENOM PROTEIN (UNII: J8DAZ 3T6 OM PROTEIN - UNII:J8DAZ 3T66L)	6L)	DOLICHOVESP MACULATA VEN PROTEIN		100 ug in 1 mL
In	active Ingre	dients					
			Ingredient Name			Stre	ngth
M	ANNITOL (UNII: 3	OWL53L36A)					
sc	DDIUM CHLORID	E (UNII: 451W47	/IQ8X)				
		RIDE (UNII: 660	YO98110)				
PC			1050110)				
AC	CETIC ACID (UNII	: Q40Q9N063P)					
AC		: Q40Q9N063P)					
AC	CETIC ACID (UNII	: Q40Q9N063P)					
AC AL	ETIC ACID (UNII ANINE (UNII: OF	: Q40Q9N063P)					
AC AL	CETIC ACID (UNII	: Q40Q9N063P) 5P57N2ZX)	:kage Description		ting Start Date		ting End ate
AC AL	ETIC ACID (UNII ANINE (UNII: OF ACKAGING	: Q40Q9N063P) 5P57N2ZX) Pac			-		-
AC AL Pa #	ANINE (UNII: OF ANINE (UNII: OF ACKAGING Item Code NDC:65044-	: Q40Q9N063P) 5P57N2ZX) Pac 1.2 mL in 1 VI/	ckage Description		-		-
AC AL Pa #	ANINE (UNII: OF ANINE (UNII: OF ACKAGING Item Code NDC:65044-	: Q40Q9N063P) 5P57N2ZX) Pac 1.2 mL in 1 VIA Product	:kage Description AL; Type 0: Not a Combination		-		-
AC AL Pa #	ackaging Item Code NDC:65044- 9981-2	: Q40Q9N063P) SP57N2ZX) Pac 1.2 mL in 1 VIA Product	:kage Description AL; Type 0: Not a Combination		-	Marke	-
AC AL Pa #	ETIC ACID (UNII ANINE (UNII: OF ackaging Item Code NDC:65044- 9981-2 Iarketing Category	: Q40Q9N063P) SP57N2ZX) Pac 1.2 mL in 1 VIA Product	Kage Description AL; Type 0: Not a Combination ion		Ceting Start Date	Marke	ate sting End
AC AL P i 1	ETIC ACID (UNII ANINE (UNII: OF ackaging Item Code NDC:65044- 9981-2 Iarketing Category	: Q40Q9N063P) 5P57N2ZX) Pac 1.2 mL in 1 V/ Product Informat Applicat	Kage Description AL; Type 0: Not a Combination ion	Mark	Ceting Start Date	Marke	ate sting End
AC AL P; # 1	ETIC ACID (UNII ANINE (UNII: OF ackaging Item Code NDC:65044- 9981-2 Iarketing Category	: Q40Q9N063P) 5P57N2ZX) Pac 1.2 mL in 1 V/ Product Informat Applicat BLA103885	ckage Description AL; Type 0: Not a Combination ion tion Number or Monograph Citation	Mark	Ceting Start Date	Marke	ate sting End
AC AL P; # 1	ackaging Item Code NDC:65044- 9981-2 Iarketing Category A	: Q40Q9N063P) 5P57N2ZX) Pac 1.2 mL in 1 V/ Product Informat BLA103885	ckage Description AL; Type 0: Not a Combination ion tion Number or Monograph Citation	Mark 02/22/1	Ceting Start Date	Marke	ate sting End
AC AL P; # 1	ETIC ACID (UNII ANINE (UNII: OF ackaging Item Code NDC:65044- 9981-2 Iarketing Category A	: Q40Q9N063P) 5P57N2ZX) Pac 1.2 mL in 1 V/ Product Informat BLA103885	ckage Description AL; Type 0: Not a Combination ion tion Number or Monograph Citation	Mark 02/22/1	Seting Start Date 982 Seting Start Date	Marke	eting End Date

YELLOW HORNET HYMENOPTERA VENOM VENOMIL DIAGNOSTIC

Product Inform	nation						
Product Type	STANDARD	IZED ALLERGENIC	Item	Code (So	ource)	NDC:65044	-9962
Packaging							
# Item Code	Pac	kage Description			ing Start ate	Marketi Da	-
NDC:65044-9962- 1	1 in 1 TRAY; ⁻ Product	Type 0: Not a Combinati	on				
Quantity of Pa	rts						
Part #	Package (Quantity		Tota	l Product C)uantity	
Part 1 1 VIAL			1.2 mL				
Part 1 of 1							
YELLOW HO		YMENOPTERA	VENO	ЭМ			
yellow hornet hyr		-		-	с ,		
			vder. Ivc	ophilized. 1	for solution		
,	nenoptera	vention injection, por	vaer, iyo	philized,	for solution		
,		enom injection, por	vaer, lyc	opnilized, 1	for solution		
		enom njecton, pov	vaer, iyo	opnilizea, 1	for solution		
Product Inform	nation	NDC:65044-9982	vaer, iyo	opnilized, 1	for solution		
Product Inforn	nation ce)			opnilized, 1	for solution		
Product Inforn	nation ce)	NDC:65044-9982		opnilized, 1	for solution		
Product Inform Item Code (Sourc Route of Adminis	nation ce) stration	NDC:65044-9982 INTRADERMAL, PERCUT		opnilized, 1	for solution		
Product Inform Item Code (Sourc Route of Adminis	nation ce) stration ent/Active	NDC:65044-9982 INTRADERMAL, PERCUT		opnilized, 1		Strongth	Strong
Product Inform Item Code (Source Route of Adminis Active Ingredie	nation ce) stration ent/Active Ingre	NDC:65044-9982 INTRADERMAL, PERCUT Moiety edient Name	ANEOUS		Basis of	-	-
Product Inform Item Code (Source Route of Adminis Active Ingredie	nation ce) stration ent/Active Ingre ARENARIA VE	NDC:65044-9982 INTRADERMAL, PERCUT	ANEOUS PI26E943		Basis of	PULA	Strengt 100 ug in 1 mL
Product Inform Item Code (Source Route of Adminis Active Ingredie	nation ce) stration ent/Active Ingre ARENARIA VE	NDC:65044-9982 INTRADERMAL, PERCUT Moiety edient Name NOM PROTEIN (UNII: 7	ANEOUS PI26E943		Basis of DOLICHOVESI	PULA	100 ug
Product Inform Item Code (Source Route of Adminis Active Ingredie DOLICHOVESPULA AN DOLICHOVESPULA AN	nation ce) stration ent/Active Ingre ARENARIA VENO	NDC:65044-9982 INTRADERMAL, PERCUT Moiety edient Name NOM PROTEIN (UNII: 7	ANEOUS PI26E943		Basis of DOLICHOVESI	PULA	100 ug
Product Inform Item Code (Source Route of Adminis Active Ingredie DOLICHOVESPULA AN DOLICHOVESPULA AN	nation ce) stration ent/Active Ingre ARENARIA VENO	NDC:65044-9982 INTRADERMAL, PERCUT Moiety edient Name NOM PROTEIN (UNII: 7 M PROTEIN - UNII:7PI26E	ANEOUS PI26E943		Basis of DOLICHOVESI	PULA NOM PROTEIN	100 ug in 1 mL
Product Inform Item Code (Source Route of Adminis Active Ingredie DOLICHOVESPULA DOLICHOVESPULA AN	nation ce) stration ent/Active Ingre ARENARIA VE RENARIA VENO	NDC:65044-9982 INTRADERMAL, PERCUT Moiety edient Name NOM PROTEIN (UNII: 7	ANEOUS PI26E943		Basis of DOLICHOVESI	PULA	100 ug in 1 mL
Product Inform Item Code (Source Route of Adminis Active Ingredie DOLICHOVESPULA AN DOLICHOVESPULA AN Inactive Ingred	nation ce) stration ent/Active Ingre ARENARIA VENO dients	NDC:65044-9982 INTRADERMAL, PERCUT Moiety edient Name NOM PROTEIN (UNII: 7 M PROTEIN - UNII:7PI26E	ANEOUS PI26E943		Basis of DOLICHOVESI	PULA NOM PROTEIN	100 ug in 1 mL
Product Inform Item Code (Source Route of Adminis Active Ingredie DOLICHOVESPULA DOLICHOVESPULA AN Inactive Ingred MANNITOL (UNII: 30 SODIUM CHLORIDE	mation ce) stration ent/Active Ingre ARENARIA VENO dients owl.53L36A) s (UNII: 451W4	NDC:65044-9982 INTRADERMAL, PERCUT Moiety edient Name NOM PROTEIN (UNII: 7 M PROTEIN - UNII:7PI26E	ANEOUS PI26E943		Basis of DOLICHOVESI	PULA NOM PROTEIN	100 ug in 1 mL
Product Inform Item Code (Source Route of Adminis Active Ingredie DOLICHOVESPULA DOLICHOVESPULA AN INACTIVE Ingred MANNITOL (UNII: 30 SODIUM CHLORIDE POTASSIUM CHLOR	nation ce) stration ent/Active Ingre ARENARIA VE RENARIA VENO dients	NDC:65044-9982 INTRADERMAL, PERCUT Moiety edient Name NOM PROTEIN (UNII: 7 M PROTEIN - UNII:7PI26E Ingredient Name	ANEOUS PI26E943		Basis of DOLICHOVESI	PULA NOM PROTEIN	100 ug in 1 mL
Product Inform Item Code (Source Route of Adminis Active Ingredie DOLICHOVESPULA (DOLICHOVESPULA AI INACTIVE Ingred MANNITOL (UNII: 30 SODIUM CHLORIDE POTASSIUM CHLOR ACETIC ACID (UNII:	mation ce) stration stration ent/Active Ingre ARENARIA VENO dients OWL53L36A) (UNII: 451W41) RIDE (UNII: 660 Q40Q9N063P)	NDC:65044-9982 INTRADERMAL, PERCUT Moiety edient Name NOM PROTEIN (UNII: 7 M PROTEIN - UNII:7PI26E Ingredient Name	ANEOUS PI26E943		Basis of DOLICHOVESI	PULA NOM PROTEIN	100 ug in 1 mL
Product Inform Item Code (Source Route of Adminis Active Ingredie	mation ce) stration stration ent/Active Ingre ARENARIA VENO dients OWL53L36A) (UNII: 451W41) RIDE (UNII: 660 Q40Q9N063P)	NDC:65044-9982 INTRADERMAL, PERCUT Moiety edient Name NOM PROTEIN (UNII: 7 M PROTEIN - UNII:7PI26E Ingredient Name	ANEOUS PI26E943		Basis of DOLICHOVESI	PULA NOM PROTEIN	100 ug in 1 mL
Product Inform Item Code (Source Route of Adminis Active Ingredie DOLICHOVESPULA DOLICHOVESPULA AN DOLICHOVESPULA AN	mation ce) stration stration ent/Active Ingre ARENARIA VENO dients OWL53L36A) (UNII: 451W41) RIDE (UNII: 660 Q40Q9N063P)	NDC:65044-9982 INTRADERMAL, PERCUT Moiety edient Name NOM PROTEIN (UNII: 7 M PROTEIN - UNII:7PI26E Ingredient Name	ANEOUS PI26E943		Basis of DOLICHOVESI	PULA NOM PROTEIN	100 ug in 1 mL

#	item Code		Date	Date
1	NDC:65044- 9982-2	1.2 mL in 1 VIAL; Type 0: Not a Combination Product		
M	larketing l	nformation		
	Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
BL	A	BLA103886	02/22/1982	
M	larketing I	nformation		
	Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
BL	A	BLA103886	02/22/1982	

						AINTENANCE
ye	llow hornet hym	nenoptera ve	enom venomil main	itenanco	e kit	
Р	roduct Inforr	nation				
	roduct Type		ZED ALLERGENIC	Iter	n Code (Source)	NDC:65044-9972
D	ackaging					
#	Item Code	Pac	kage Description		Marketing Start Date	Marketing End Date
1	NDC:65044-9972- 1	1 in 1 TRAY; T Product	ype 0: Not a Combinat	ion		
0		-				
	uantity of Pa	rts				
_	uantity of Pa art #	Package Q)uantity		Total Product Q	uantity
Pa)uantity	7.2 mL		Juantity
Pa	art #)uantity	7.2 mL		Juantity
Pa	art # Int 1 6 VIAL)uantity	7.2 mL		Juantity
Pa	art #)uantity	7.2 mL		Juantity
Pa Pa	art # 6 VIAL art 1 of 1	Package C	Quantity YMENOPTERA		in 6	Quantity
Pa Pa P	art # art 1 6 VIAL art 1 of 1 ELLOW HO	Package C	YMENOPTERA	A VEN	in 6	Quantity
Pa Pa P	art # art 1 6 VIAL art 1 of 1 ELLOW HO	Package C	YMENOPTERA	A VEN	in 6 OM	Quantity
Pa Pa P	art # art 1 6 VIAL art 1 of 1 ELLOW HO ellow hornet hyr	Package C PRNET H menoptera v	YMENOPTERA	A VEN	in 6 OM	Quantity
Pa Pa P Y Ye	art # art 1 6 VIAL art 1 of 1 ELLOW HO ellow hornet hyr	Package C PRNET H menoptera v mation	YMENOPTERA renom injection, po	A VEN	in 6 OM	Quantity
Pa Pa P Y Ye	art # art 1 6 VIAL art 1 of 1 ELLOW HO ellow hornet hyr	Package C PRNET H menoptera v mation ce)	YMENOPTERA	A VEN	in 6 OM	Quantity

	Ingredient Name		Basis of S	Strength	Strength
	ARENARIA VENOM PROTEIN (UNII: 7PI26E943G RENARIA VENOM PROTEIN - UNII:7PI26E943G))	Dolichovespi Arenaria veno		100 ug in 1 mL
Inactive Ingre	dients				
	Ingredient Name			Stre	ngth
MANNITOL (UNII: 30	DWL53L36A)				
SODIUM CHLORIDI	(UNII: 451W47IQ8X)				
	RIDE (UNII: 660YQ98I10)				
ACETIC ACID (UNII:					
ALANINE (UNII: OF5	P57N2ZX)				
Packaging					
# Item Code	Package Description		ting Start Date		ing End ate
1 NDC:65044- 9982-2	1.2 mL in 1 VIAL; Type 0: Not a Combination Product				
Marketing	nformation				
Marketing Category	Application Number or Monograph Citation	Mark	eting Start Date		ting End ate
BLA	BLA103886	02/22/1	982		
Marketing	nformation				
Marketing Marketing Category	nformation Application Number or Monograph Citation	Mark	eting Start Date		ting End ate

E.

	WASP HYMENOPTERA VENOM VENOMIL DIAGNOSTIC vasp hymenoptera venom venomil diagnostic kit									
Р	Product Information									
Product Type STANDARDIZED ALLERGENIC Item Code (Source) NDC:65044-9963										
Pa	ackaging									
#	ltem Code	Package Description		Marketing Start Date	Marketing End Date					
1	NDC:65044-9963- 1	1 in 1 TRAY; Type 0: Not a Combination Product								

Quantity of P	arts						
Part #	Package C	uantity		Total F	roduct Q	uantity	
Part 1 1 VIAL			1.2 mL				
Part 1 of 1							
WASP HYM	IENOPTE	RA VENOM					
wasp hymenopt	era venom in	jection, powder, lyc	ophilized,	for solutior	ı		
Product Infor	mation						
Item Code (Sou		NDC:65044-9983					
Route of Admin		INTRADERMAL, PERCU	TANEOUS				
		,					
Active Ingred	iont/Active	Moioty					
Active Ingred		edient Name			Basis of	Strength	Strongth
POLISTES SPP. VE	•	I (UNII: 1Y50409ZMQ) (POLISTES S	PP. VENOM	POLISTES S	-	_
PROTEIN - UNII:1Y5	0409ZMQ)				PROTEIN		in 1 mL
Inactive Ingre	edients						
MANNITOL (UNIL 2		Ingredient Name				Stre	ngth
MANNITOL (UNII: 3 SODIUM CHLORID		(108X)					
POTASSIUM CHLC	-						
ACETIC ACID (UNI	: Q40Q9N063P)						
ALANINE (UNII: OF	5P57N2ZX)						
Packaging							
# Item Code	Рас	kage Description		Marketin Da [:]			ing End ate
1 NDC:65044- 9983-2	1.2 mL in 1 VI Product	AL; Type 0: Not a Comb	pination				
Marketing	Informat	ion					
Marketing Category	Applica	tion Number or Mo Citation	nograph		ing Start ate		ting End ate
BLA	BLA103884			02/22/198	2		
Marketing							

Category	Аррпса	tion Number or Mo Citation	nograph		ting Start ate		ting End ate
BLA	BLA103884	Citation		02/22/1982			ale
WASP HYME	ENOPTER	A VENOM VE	ΝΟΜΙ	L MAINT	ENANC	E	
wasp hymenopte	ra venom ve	nomil maintenance	kit				
Product Inform	mation						
Product Type	STANDARDI	ZED ALLERGENIC	ltem	Code (Sour	rce)	NDC:65044	-9973
Dackaging							
Packaging				Marketing	Start	Marketi	ing End
# Item Code	Pac	kage Description		Date		Da	
1 NDC:65044-9973-	1 in 1 TRAY; T Product	Type 0: Not a Combinati	on				
1	Product						
Quantity of Pa	arts						
Part #	Package C	Quantity		Total P	Product Q	uantity	
Part 1 6 VIAL			7.2 mL in	16			
Part 1 of 1							
Part 1 of 1 WASP HYM	ENOPTEI	RA VENOM					
WASP HYM	-	RA VENOM ijection, powder, lyc	philized	, for solutior	1		
WASP HYM	-	-	philized	, for solutior	1		
WASP HYM	-	-	philized	, for solutior	1		
WASP HYM	era venom in	-	philized	, for solutior	1		
WASP HYM wasp hymenopte	era venom in mation	-	philized	, for solutior	1		
WASP HYM wasp hymenopte Product Inform	era venom in mation ce)	jection, powder, lyc	ophilized	, for solutior	1		
WASP HYM wasp hymenopte Product Inform Item Code (Source	era venom in mation ce)	njection, powder, lyc NDC:65044-9983	philized	, for solutior	1		
WASP HYM wasp hymenopte Product Inform Item Code (Source Route of Adminis	mation ce) stration	ijection, powder, lyc NDC:65044-9983 SUBCUTANEOUS	philized	, for solutior	1		
WASP HYM wasp hymenopte Product Inform Item Code (Source Route of Adminis	era venom in mation ce) stration ent/Active	NDC:65044-9983 SUBCUTANEOUS Moiety	philized	, for solutior			
WASP HYMI wasp hymenopte Product Inform Item Code (Source Route of Administ Active Ingredie	era venom in mation ce) stration ent/Active Ingr	NDC:65044-9983 SUBCUTANEOUS Moiety redient Name			Basis of	Strength	_
WASP HYMI wasp hymenopte Product Inforr Item Code (Source Route of Administ Active Ingredie POLISTES SPP. VEI	era venom in mation ce) stration ent/Active Ingr NOM PROTEIN	NDC:65044-9983 SUBCUTANEOUS Moiety				-	-
WASP HYM wasp hymenopte Product Inform Item Code (Source Route of Adminis Active Ingredie	era venom in mation ce) stration ent/Active Ingr NOM PROTEIN	NDC:65044-9983 SUBCUTANEOUS Moiety redient Name			Basis of POLISTES S	-	100 ug
WASP HYM wasp hymenopte Product Inforr Item Code (Source Route of Adminis Active Ingredie POLISTES SPP. VER PROTEIN - UNII: 19504	era venom in mation ce) stration ent/Active Ingr NOM PROTEIN 409Z MQ)	NDC:65044-9983 SUBCUTANEOUS Moiety redient Name			Basis of POLISTES S	-	100 ug
WASP HYM wasp hymenopte Product Inforr Item Code (Source Route of Adminis Active Ingredie POLISTES SPP. VER PROTEIN - UNII: 19504	era venom in mation ce) stration ent/Active Ingr NOM PROTEIN 409Z MQ)	NDC:65044-9983 SUBCUTANEOUS Moiety redient Name			Basis of POLISTES S	PP. VENOM	100 ug in 1 mL
WASP HYM wasp hymenopte Product Inforr Item Code (Source Route of Adminis Active Ingredie POLISTES SPP. VEI PROTEIN - UNII: 1Y504 Inactive Ingred	era venom in mation ce) stration ent/Active Ingr NOM PROTEIN 409Z MQ)	NDC:65044-9983 SUBCUTANEOUS Moiety redient Name			Basis of POLISTES S	-	100 ug in 1 mL
WASP HYMI wasp hymenopte Product Inforr Item Code (Source Route of Adminis Active Ingredice POLISTES SPP. VEI PROTEIN - UNII: 1Y504 Inactive Ingred	era venom in mation ce) stration ent/Active Ingr NOM PROTEIN 409Z MQ) dients	NDC:65044-9983 SUBCUTANEOUS Moiety redient Name (UNII: 1Y50409ZMQ) (Basis of POLISTES S	PP. VENOM	100 ug in 1 mL
WASP HYM wasp hymenopte Product Inforr Item Code (Source Route of Adminis Active Ingredie POLISTES SPP. VEI PROTEIN - UNII: 1Y504 Inactive Ingred	era venom in mation ce) stration ent/Active Ingr NOM PROTEIN 409Z MQ) dients	NDC:65044-9983 SUBCUTANEOUS Moiety redient Name (UNII: 1Y50409ZMQ) (Ingredient Name			Basis of POLISTES S	PP. VENOM	100 ug in 1 mL

AL/	ANINE (UNII: OF5	P57N2ZX)					
Pa	ickaging						
#	ltem Code	Package Description	Marketing Start Date	Marketing End Date			
	NDC:65044- 9983-2	1.2 mL in 1 VIAL; Type 0: Not a Combination Product					
Μ	arketing	Information					
	Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date			
BLA	Ą	BLA103884	02/22/1982				
Marketing Information							
	Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date			
BLA	4	BLA103884	02/22/1982				

		-	KET HYMENOPTERA			GNOSTIC
Ρ	rodu	ct Inform	nation			
Product Type		t Type	STANDARDIZED ALLERGENIC		m Code (Source)	NDC:65044-9964
Pa	acka	ging				
#	Ite	m Code	Package Description		Marketing Start Date	Marketing End Date
1	NDC:6 1	5044-9964-	1 in 1 TRAY; Type 0: Not a Combinat Product	tion		
Q	uant	ity of Pa	rts			
Pa	art #		Package Quantity		Total Product Q	uantity
Pa	rt 1	1 VIAL		1.2 mL		
Ρ	art	1 of 1				
		-	CKET HYMENOPTERA			

Product Information	
Item Code (Source)	NDC:65044-9984
Route of Administration	INTRADERMAL, PERCUTANEOUS

Active Ingredient/Active Moiety				
Ingredient Name	Basis of Strength	Strength		
VESPULA GERMANICA VENOM PROTEIN (UNII: 8SH7583MUK) (VESPULA GERMANICA VENOM PROTEIN - UNII:8SH7583MUK)	VESPULA GERMANICA VENOM PROTEIN	20 ug in 1 mL		
VESPULA MACULIFRONS VENOM PROTEIN (UNII: V34908RT03) (VESPULA MACULIFRONS VENOM PROTEIN - UNII:V34908RT03)	VESPULA MACULIFRONS VENOM PROTEIN	20 ug in 1 mL		
VESPULA PENSYLVANICA VENOM PROTEIN (UNII: Q79PS8P34R) (VESPULA PENSYLVANICA VENOM PROTEIN - UNII:Q79PS8P34R)	VESPULA PENSYLVANICA VENOM PROTEIN	20 ug in 1 mL		
VESPULA SQUAMOSA VENOM PROTEIN (UNII: D7974DM2EJ) (VESPULA SQUAMOSA VENOM PROTEIN - UNII:D7974DM2EJ)	VESPULA SQUAMOSA VENOM PROTEIN	20 ug in 1 mL		
VESPULA VULGARIS VENOM PROTEIN (UNII: S125N1F5X5) (VESPULA VULGARIS VENOM PROTEIN - UNII:S125N1F5X5)	VESPULA VULGARIS VENOM PROTEIN	20 ug in 1 mL		

Ingredient Name	Strength
MANNITOL (UNII: 30WL53L36A)	
SODIUM CHLORIDE (UNII: 451W47IQ8X)	
POTASSIUM CHLORIDE (UNII: 660YQ98I10)	
ACETIC ACID (UNII: Q40Q9N063P)	
ALANINE (UNII: OF5P57N2ZX)	

Packaging

#	tem Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:65044- 9984-2	1.2 mL in 1 VIAL; Type 0: Not a Combination Product		

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
BLA	BLA103887	02/22/1982	
Marketing I	nformation		
Marketing	Application Number or Monograph	Marketing Start	Marketing End

Category	Citation	Date	Date
BLA	BLA103887	02/22/1982	

YELLOW JACKET HYMENOPTERA VENOM VENOMIL MAINTENANCE

Product Inform	nation						
Product Type	STANDARD	ZED ALLERGENIC	Item C	ode (So	urce)	NDC:65044	4-9974
Packaging							
# Item Code	Рас	kage Description	r		ng Start		ing End
NDC:65044-9974- 1	1 in 1 TRAY; T Product	Гуре 0: Not a Combinat	ion	Da	ite	Da	ite
Quantity of Pa							
Part # Part 1 6 VIAL	Package C	Quantity	7.2 mL in 6	Tota	Product Q	uantity	
Part 1 of 1							
YELLOW JAC yellow jacket hym		MENOPTERA		ilizod fr			
		, p	vuer, iyopii	ilizeu, it	or solution		
	nation		vder, iyopn		or solution		
Product Inform		NDC:65044-9984	vder, iyopn		or solution		
Product Inform Item Code (Source Route of Adminis	ce)		vder, iyopn	iii2eu, iu	or solution		
Product Inform Item Code (Sourc Route of Adminis	ce) stration	NDC:65044-9984 SUBCUTANEOUS	vder, iyopn	iii2eu, iu	or solution		
Product Inform Item Code (Source Route of Adminis Active Ingredie	ce) stration ent/Active Ingre	NDC:65044-9984 SUBCUTANEOUS Moiety edient Name			Basis of S	Strength	Strengt
Product Inform Item Code (Source Route of Adminis Active Ingredie	ce) stration ent/Active Ingre	NDC:65044-9984 SUBCUTANEOUS Moiety edient Name ROTEIN (UNII: 85H758:				RMANICA	Strengt 20 ug in 1 mL
Product Inform Item Code (Source Route of Adminis Active Ingredie VESPULA GERMANIC GERMANICA VENOM P	ce) stration ent/Active Ingre CA VENOM PI PROTEIN - UNIII: RONS VENOM	NDC:65044-9984 SUBCUTANEOUS Moiety edient Name ROTEIN (UNII: 8SH7583 8SH7583MUK) I PROTEIN (UNII: V349	3MUK) (VESPL	JLA	Basis of S VESPULA GEF	RMANICA EIN CULIFRONS	20 ug
Product Inform Item Code (Source Route of Adminis Active Ingredie VESPULA GERMANICA GERMANICA VENOM P VESPULA MACULIFI MACULIFRONS VENOM	ce) stration ent/Active ingre CA VENOM PI PROTEIN - UNIII: RONS VENOM M PROTEIN - UI ANICA VENOM	NDC:65044-9984 SUBCUTANEOUS Moiety edient Name ROTEIN (UNII: 8SH758: 8SH7583MUK) I PROTEIN (UNII: V349 NII:V34908RT03) M PROTEIN (UNII: Q791	3MUK) (VESPL 08RT03) (VES	JLA PULA	Basis of VESPULA GEF VENOM PROT VESPULA MAC	RMANICA EIN CULIFRONS EIN ISYLVANICA	20 ug in 1 mL 20 ug
Product Inform Item Code (Source Route of Adminis Active Ingredie VESPULA GERMANIC GERMANICA VENOM P VESPULA MACULIFI MACULIFRONS VENOM VESPULA PENSYLVA PENSYLVANICA VENO VESPULA SQUAMOS	ce) stration ent/Active ingre CA VENOM PI PROTEIN - UNII: RONS VENOM M PROTEIN - UI ANICA VENOM M PROTEIN - UI SA VENOM PI	NDC:65044-9984 SUBCUTANEOUS Moiety edient Name ROTEIN (UNII: 8SH758 8SH7583MUK) I PROTEIN (UNII: V349 NII:V34908RT03) I PROTEIN (UNII: Q79F INII:Q79PS8P34R) ROTEIN (UNII: D7974DM	3MUK) (VESPL 08RT03) (VES 258P34R) (VES	JLA PULA SPULA	Basis of VESPULA GEF VENOM PROT VESPULA MAC VENOM PROT VESPULA PEN	RMANICA EIN CULIFRONS EIN ISYLVANICA EIN UAMOSA	20 ug in 1 mL 20 ug in 1 mL 20 ug
Product Inform Item Code (Source Route of Adminis Active Ingredie VESPULA GERMANICE GERMANICA VENOM P VESPULA MACULIFI MACULIFRONS VENOM VESPULA PENSYLVA PENSYLVANICA VENO VESPULA SQUAMOS	ce) stration ent/Active ingre CA VENOM PI PROTEIN - UNII: RONS VENOM M PROTEIN - U ANICA VENOM M PROTEIN - U SA VENOM PRO PROTEIN - UNII: S VENOM PRO	NDC:65044-9984 SUBCUTANEOUS Moiety edient Name ROTEIN (UNII: 8SH7583 8SH7583MUK) I PROTEIN (UNII: V349 NII:V34908RT03) I PROTEIN (UNII: Q79F INII:Q79PS8P34R) ROTEIN (UNII: D7974DM D7974DM2EJ) DTEIN (UNII: S125N1F5)	3MUK) (VESPL 08RT03) (VES 258P34R) (VES 12EJ) (VESPUL	JLA PULA SPULA A	Basis of VESPULA GEF VENOM PROT VESPULA MAC VENOM PROT VESPULA PEN VENOM PROT VESPULA SQU	RMANICA EIN CULIFRONS EIN SYLVANICA EIN UAMOSA EIN LGARIS	20 ug in 1 mL 20 ug in 1 mL 20 ug in 1 mL 20 ug
Product Inform Item Code (Source Route of Adminis Active Ingredie VESPULA GERMANICA GERMANICA VENOM P VESPULA MACULIFI MACULIFRONS VENOM VESPULA PENSYLVA PENSYLVANICA VENOM VESPULA SQUAMOS SQUAMOSA VENOM PRO	ce) stration ent/Active ingre CA VENOM PI PROTEIN - UNII: RONS VENOM M PROTEIN - UNII: ANICA VENOM M PROTEIN - UNII: SA VENOM PRO OTEIN - UNII:S	NDC:65044-9984 SUBCUTANEOUS Moiety edient Name ROTEIN (UNII: 8SH7583 8SH7583MUK) I PROTEIN (UNII: V349 NII:V34908RT03) I PROTEIN (UNII: Q79F INII:Q79PS8P34R) ROTEIN (UNII: D7974DM D7974DM2EJ) DTEIN (UNII: S125N1F53 125N1F5X5)	3MUK) (VESPL 08RT03) (VES 258P34R) (VES 12EJ) (VESPUL	JLA PULA SPULA A	Basis of VESPULA GEF VENOM PROT VESPULA MAC VENOM PROT VESPULA PEN VENOM PROT VESPULA SQU VENOM PROT VESPULA VUL	RMANICA EIN CULIFRONS EIN ISYLVANICA EIN UAMOSA EIN GARIS EIN	20 ug in 1 mL 20 ug in 1 mL 20 ug in 1 mL 20 ug in 1 mL 20 ug in 1 mL
Product Inform Item Code (Source Route of Adminis Active Ingredie VESPULA GERMANIC GERMANICA VENOM P VESPULA MACULIFI MACULIFRONS VENOM VESPULA PENSYLVA PENSYLVANICA VENO VESPULA SQUAMOS SQUAMOSA VENOM P VESPULA VULGARIS	ce) stration ent/Active ingre CA VENOM PI PROTEIN - UNII: RONS VENOM M PROTEIN - UNII: SA VENOM PRO SA VENOM PRO PROTEIN - UNII: S VENOM PRO OTEIN - UNII:S	NDC:65044-9984 SUBCUTANEOUS Moiety edient Name ROTEIN (UNII: 8SH7583 8SH7583MUK) I PROTEIN (UNII: V349 NII:V34908RT03) I PROTEIN (UNII: Q79F INII:Q79PS8P34R) ROTEIN (UNII: D7974DM D7974DM2EJ) DTEIN (UNII: S125N1F5)	3MUK) (VESPL 08RT03) (VES 258P34R) (VES 12EJ) (VESPUL	JLA PULA SPULA A	Basis of VESPULA GEF VENOM PROT VESPULA MAC VENOM PROT VESPULA PEN VENOM PROT VESPULA SQU VENOM PROT VESPULA VUL	RMANICA EIN CULIFRONS EIN ISYLVANICA EIN UAMOSA EIN GARIS EIN	in 1 mL 20 ug in 1 mL 20 ug in 1 mL 20 ug in 1 mL 20 ug 20 ug

ACETIC ACID (UNI				
LANINE (UNII: OF	5P57N2ZX)			
Packaging				
# Item Code	Package Des	scription	Marketing Start Date	Marketing End Date
NDC:65044- 9984-2	1.2 mL in 1 VIAL; Type 0: N Product	lot a Combination		
Marketing	Information			
Marketing Category	Application Numb		Marketing Start Date	Marketing End Date
SLA	BLA103887		02/22/1982	
Marketing	Information			
Marketing Category	Application Numb Cita		Marketing Start Date	Marketing End Date
SLA				
IIXED VES	BLA103887 PID HYMENOPTI menoptera venom veno	_	-	ITENANCE
IIXED VES nixed vespid hyr	PID HYMENOPTI menoptera venom veno	_	VENOMIL MAIN	ITENANCE
IXED VES	PID HYMENOPTI menoptera venom veno	omil maintenance	VENOMIL MAIN	ITENANCE NDC:65044-9975
HIXED VES nixed vespid hyr Product Infor Product Type	PID HYMENOPTI menoptera venom venc rmation	omil maintenance	VENOMIL MAIN kit	
IIXED VES nixed vespid hyr Product Infor	PID HYMENOPTI menoptera venom venc rmation	ENIC Item	VENOMIL MAIN kit	
AIXED VES hixed vespid hyd Product Infor Product Type Packaging Item Code NDC:65044-9975	PID HYMENOPTE menoptera venom veno rmation STANDARDIZED ALLERG Package Des 5- 1 in 1 TRAY; Type 0: Not a	ENIC Item	VENOMIL MAIN kit Code (Source) Marketing Start	NDC:65044-9975 Marketing End
AIXED VES hixed vespid hyd Product Infor Product Type Packaging # Item Code	PID HYMENOPTE menoptera venom veno rmation STANDARDIZED ALLERG Package Des	ENIC Item	VENOMIL MAIN kit Code (Source) Marketing Start	NDC:65044-9975 Marketing End
AIXED VES hixed vespid hyd Product Infor Product Type Packaging Item Code NDC:65044-9975	PID HYMENOPTE menoptera venom vence rmation STANDARDIZED ALLERG Package Des 5- 1 in 1 TRAY; Type 0: Not a Product	ENIC Item	VENOMIL MAIN kit Code (Source) Marketing Start	NDC:65044-9975 Marketing End
AIXED VES hixed vespid hyd Product Infor Product Type Packaging Item Code NDC:65044-9975 1 Quantity of P Part #	PID HYMENOPTE menoptera venom vence rmation STANDARDIZED ALLERG Package Des 5- 1 in 1 TRAY; Type 0: Not a Product	ENIC Item	VENOMIL MAIN kit Code (Source) Marketing Start Date	NDC:65044-9975 Marketing End Date
AIXED VES hixed vespid hyd Product Infor Product Type Packaging Item Code NDC:65044-9975	PID HYMENOPTE menoptera venom veno rmation STANDARDIZED ALLERG Package Des 5- 1 in 1 TRAY; Type 0: Not a Product	ENIC Item	VENOMIL MAIN kit Code (Source) Marketing Start Date	NDC:65044-9975 Marketing End Date
AIXED VES hixed vespid hyd Product Infor Product Type Packaging Item Code NDC:65044-9975 1 Quantity of P Part #	PID HYMENOPTE menoptera venom veno rmation STANDARDIZED ALLERG Package Des 5- 1 in 1 TRAY; Type 0: Not a Product	ENIC Item	VENOMIL MAIN kit Code (Source) Marketing Start Date	NDC:65044-9975 Marketing End Date
Alixed vespid hyd hixed vespid hyd Product Infor Product Type Packaging Item Code NDC:65044-9975 NDC:65044-9975 Part # Part 1 6 VIAL	PID HYMENOPTE menoptera venom veno rmation STANDARDIZED ALLERG Package Des 5- 1 in 1 TRAY; Type 0: Not a Product	ENIC Item	VENOMIL MAIN kit Code (Source) Marketing Start Date	NDC:65044-9975 Marketing End Date

Product Information	
Item Code (Source)	NDC:65044-9985
Route of Administration	SUBCUTANEOUS
Route of Administration	SUBCUTANEOUS

Ingredient NameBasis of StrengthStrengthDOLICHOVESPULA MACULATA VENOM PROTEIN (UNII: J8DAZ 3T66L)DOLICHOVESPULA MACULATA VENOM100 ug in 1 unit	Active Ingredient/Active Moiety				
DOLICHOVESPULA MACULATA VENOM PROTEIN (UNII: J8DAZ 3166L) MACULATA VENOM 100 ug	Ingredient Name Basis of Strength Strength				
(DOLICHOVESPULA MACULATA VENOM PROTEIN - UNII:J8DAZ 3166L) PROTEIN IN I ML	LICHOVESPULA MACULATA VENOM PROTEIN (UNII: J8DAZ 3166L) MACULATA VENOM in 1 r				
DOLICHOVESPULA ARENARIA VENOM PROTEIN (UNII: 7PI26E943G)DOLICHOVESPULA100 ug(DOLICHOVESPULA ARENARIA VENOM PROTEIN - UNII: 7PI26E943G)ARENARIA VENOM PROTEINin 1 mL					
VESPULA GERMANICA VENOM PROTEIN (UNII: 8SH7583MUK) (VESPULAVESPULA GERMANICA20 ugGERMANICA VENOM PROTEIN - UNII:8SH7583MUK)venom PROTEINin 1 mL	· · · · · · · · · · · · · · · · · · ·				
VESPULA MACULIFRONS VENOM PROTEIN (UNII: V34908RT03) (VESPULAVESPULA MACULIFRONS20 ugMACULIFRONS VENOM PROTEIN - UNII: V34908RT03)venom PROTEINin 1 mL	, , , , , , , , , , , , , , , , , , ,				
VESPULA PENSYLVANICA VENOM PROTEIN (UNII: Q79PS8P34R) (VESPULAVESPULA PENSYLVANICA20 ugPENSYLVANICA VENOM PROTEIN - UNII:Q79PS8P34R)in 1 mL					
VESPULA SQUAMOSA VENOM PROTEIN (UNII: D7974DM2EJ) (VESPULAVESPULA SQUAMOSA20 ugSQUAMOSA VENOM PROTEIN - UNII:D7974DM2EJ)VENOM PROTEINin 1 mL					
VESPULA VULGARIS VENOM PROTEIN (UNII: \$125N1F5X5) (VESPULAVESPULA VULGARIS20 ugVULGARIS VENOM PROTEIN - UNII:\$125N1F5X5)in 1 mL	· · · · · · · · · · · · · · · · · · ·				

Inactive Ingredients

Strength

Pa	ackaging			
#	ltem Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:65044- 9985-2	1.2 mL in 1 VIAL; Type 0: Not a Combination Product		
Μ	larketing	Information		
	Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
BL	A	BLA103883	02/22/1982	
M	larketing	Information		
	U			
	Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date

Markating Start Markating End

		DPTERA VENC om venomil diagno		NOMIL D	IAGNOS	STIC	
Product Inform	mation						
		IZ ED ALLERGENIC	Ito	m Cada (Saur	co)		44-9986
Product Type	5 I ANDARD	IZ ED ALLERGENIC	ite	m Code (Sour	ce)	NDC:050	44-9900
Packaging							
# Item Code	Pac	kage Description		Marketing Date			eting End Date
1 NDC:65044-9986-	1 in 1 TRAY; T Product	Type 0: Not a Combinat	ion				
Quantity of Pa	arts						
Part #	Package (Quantity		Total P	roduct Qu	antity	
Part 1 1 VIAL			1.2 mL				
Part 1 of 1							
HONEY BEE	HYMEN	OPTERA VEN	ОМ				
honey bee hyme	noptera ver	iom injection, powo	ler, lyop	hilized, for so	lution		
Product Inform							
Item Code (Sour		NDC:65044-9980					
Route of Adminis	stration	INTRADERMAL, PERCU	TANEOUS				
Active Ingredie	ent/Active	Moiety					
	Ingi	redient Name			Basis Streng		Strength
APIS MELLIFERA VI UNII:760130881M)	ENOM (UNII: 7	6013O881M) (APIS MEL	lifera ve	NOM -	APIS MELLIFE VENOM	•	100 ug in 1 mL
Inactive Ingree	dients						
	Ing	gredient Name				Stren	gth
MANNITOL (UNII: 30	DWL53L36A)						
Packaging							
				Manleatin		Manda	

	ltem Code	Package Description	Marketing Start Date	Marketing End Date
	DC:65044- 980-2	1.2 mL in 1 VIAL; Type 0: Not a Combination Product	n	
Ma	arketing	Information		
	Marketing Category	Application Number or Monogra Citation	aph Marketing Star Date	t Marketing End Date
BLA		BLA103882	02/22/1982	
Ma	arketing	Information		
	Marketing Category	Application Number or Monogra Citation	aph Marketing Star Date	t Marketing End Date
BLA		BLA103882	02/22/1982	
white	AGNOSTI e faced horn oduct Infor	et hymenoptera venom venomil diag	nostic kit	
Pro	duct Type	STANDARDIZ ED ALLERGENIC	tem Code (Source)	NDC:65044-9987
Pac	ckaging			
#	ltem Code	Package Description	Marketing Start Date	Marketing End Date
1 1		- 1 in 1 TRAY; Type 0: Not a Combination Product		
Qua	antity of Pa	arts		
Par	t #	Package Quantity	Total Product	Quantity
-	t #			Quantity
Part Part	t # t 1 VIAL	Package Quantity		Quantity
Part Part Pa	t # 1 1 VIAL	Package Quantity	۱L	Quantity
Part Part Pa	t # 1 I VIAL	Package Quantity 1.2 m	RA VENOM	
Part Part Pa	t # 1 I VIAL	Package Quantity 1.2 m ED HORNET HYMENOPTE	RA VENOM	
Part Part Pa Wh whit	t # 1 I VIAL	Package Quantity 1.2 m 1.2 m 1.2 m ED HORNET HYMENOPTE 1.2 m net hymenoptera venom injection, po 1.2 m	RA VENOM	
Part Part Pa Wh whit	t # 1 1 VIAL 1 VIAL	Package Quantity 1.2 m 1.2 m 1.2 m ED HORNET HYMENOPTE 1.2 m net hymenoptera venom injection, po 1.2 m mation 1.2 m	RA VENOM	

	igredi	ent/Active Moiety				
	-	Ingredient Name		Basis of S	trength	Strengt
		MACULATA VENOM PROTEIN (UNII: J8DAZ 3T6 MACULATA VENOM PROTEIN - UNII:J8DAZ 3T66L)	6L)	DOLICHOVESP MACULATA VEN PROTEIN		100 ug in 1 mL
Inactive	Ingre	dients				
		Ingredient Name			Stre	ngth
MANNITOL						
		RIDE (UNII: 660YQ98I10) Q40Q9N063P)				
ALANINE (U						
Packagir	na					
# Item C	-	Package Description		ting Start Date		ting End ate
1 NDC:6504 9981-2	44-	1.2 mL in 1 VIAL; Type 0: Not a Combination Product				
		Troduce				
Market	ting	Information				
Market Marke Categ	ting		Marl	ceting Start Date		eting End Date
Marke Categ	ting	nformation Application Number or Monograph	Mari 02/22/1	Date		•
Marke	ting	nformation Application Number or Monograph Citation		Date		•
Marke Categ BLA	eting jory	nformation Application Number or Monograph Citation		Date		•
Marke Categ BLA	ting jory	Application Number or Monograph Citation BLA103885	02/22/1	Date	Marke	•
Marke Categ BLA Market Marke Categ	ting jory	Information Application Number or Monograph Citation BLA103885 Information Application Number or Monograph	02/22/1	Date 982 Ceting Start Date	Marke	Date eting End
Marke Categ BLA Market Marke	ting jory	Information Application Number or Monograph Citation BLA103885 Information Application Number or Monograph Citation	02/22/1 Mari	Date 982 Ceting Start Date	Marke	Date eting End
Marke Categ BLA Market Marke Categ	ting jory	Information Application Number or Monograph Citation BLA103885 Information Application Number or Monograph Citation	02/22/1 Mari	Date 982 Ceting Start Date	Marke	Date eting End
Marke Categ BLA Market Marke Categ BLA	ting jory	Information Application Number or Monograph Citation BLA103885 Information Application Number or Monograph Citation	02/22/1 Marl 02/22/1	Date 982 Ceting Start Date 982	Marke	oate eting End oate
Marke Categ BLA Market Categ BLA	ting gory ting gory V HO	Information Application Number or Monograph Citation BLA103885 Information Application Number or Monograph Citation BLA103885	02/22/1 Marl 02/22/1 OM VEN	Date 982 Ceting Start Date 982	Marke	oate eting End oate
Marke Categ BLA Market Categ BLA	ting gory ting gory V HO	Information Application Number or Monograph Citation BLA103885 Information Application Number or Monograph Citation BLA103885 RNET HYMENOPTERA VENO	02/22/1 Marl 02/22/1 OM VEN	Date 982 Ceting Start Date 982	Marke	oate eting End oate
Marke Categ BLA Market Categ BLA	ting jory ting jory V HO het hyr	Information Application Number or Monograph Citation BLA103885 Information Application Number or Monograph Citation BLA103885 RNET HYMENOPTERA VENO nenoptera venom venomil diagnostic kit	02/22/1 Marl 02/22/1 OM VEN	Date 982 Ceting Start Date 982	Marke	oate eting End oate

Packaging

Item Code

Package Description

Marketing Start Date Marketing End Date

MANNIT SODIUM POTASS ACETIC ALANINE Packa # Iter 1 NDC:6 9982- Mark Mark	I CHLORID IUM CHLO ACID (UNIII: UNII: OF5 ging m Code	OWL53L36A) E (UNII: 451W4 RIDE (UNII: 660 : Q40Q9N063P) 5P57N2ZX) Pa 1.2 mL in 1 VI Product Informat	Ingredient Name 7IQ8X) DYQ98I10) Ckage Description AL; Type 0: Not a Comb	ination	C	ARENARIA VENC	Stre	
MANNIT SODIUM POTASS ACETIC ALANINE Packa # Iter 1 NDC:6 9982-	oL (UNII: 3 I CHLORID IUM CHLO ACID (UNII: CUNII: OF5 ging m Code 55044- 2	OWL53L36A) E (UNII: 451W4 RIDE (UNII: 660 : Q40Q9N063P) 5P57N2ZX) Pa 1.2 mL in 1 VI Product Informat	Ingredient Name 7IQ8X) DYQ98I10) ckage Description AL; Type 0: Not a Comb	ination	C	ting Start Date	Stre	ngth ing End
MANNIT SODIUM POTASS ACETIC ALANINE Packa # Iter	OL (UNII: 3 I CHLORID IUM CHLO ACID (UNII: CUNII: OF5 Ging m Code	OWL53L36A) E (UNII: 451W4 RIDE (UNII: 660 : Q40Q9N063P) SP57N2ZX) Pa 1.2 mL in 1 VI	Ingredient Name 7IQ8X) DYQ98I10) ckage Description			ting Start	Stre	ngth ing End
MANNIT SODIUM POTASS ACETIC ALANINE Packa # Iter	OL (UNII: 3 I CHLORID IUM CHLO ACID (UNII: CUNII: OF5 Ging m Code	OWL53L36A) E (UNII: 451W4 RIDE (UNII: 660 : Q40Q9N063P) SP57N2ZX) Pa 1.2 mL in 1 VI	Ingredient Name 7IQ8X) DYQ98I10) ckage Description			ting Start	Stre	ngth ing End
MANNIT SODIUM POTASS ACETIC ALANINE Packa	OL (UNII: 3 I CHLORID IUM CHLO ACID (UNII: UNII: OF5	OWL53L36A) E (UNII: 451W4 RIDE (UNII: 660 : Q40Q9N063P) SP57N2ZX) Pa	Ingredient Name 7IQ8X) DYQ98I10) ckage Description			ting Start	Stre	ngth ing End
MANNIT SODIUM POTASS ACETIC ALANINE	OL (UNII: 3 I CHLORID IUM CHLO ACID (UNII: E (UNII: OF5	OWL53L36A) E (UNII: 451W4 RIDE (UNII: 660 : Q40Q9N063P)	Ingredient Name 7IQ8X) 0YQ98I10)	=943G)			Stre	ngth
MANNIT SODIUM POTASS ACETIC ALANINE	OL (UNII: 3 I CHLORID IUM CHLO ACID (UNII: E (UNII: OF5	OWL53L36A) E (UNII: 451W4 RIDE (UNII: 660 : Q40Q9N063P)	Ingredient Name 7IQ8X) 0YQ98I10)	=943G)				
MANNIT SODIUM POTASS ACETIC	OL (UNII: 3 I CHLORID IUM CHLO ACID (UNII:	OWL53L36A) E (UNII: 451W4 RIDE (UNII: 660 : Q40Q9N063P)	Ingredient Name 7IQ8X) 0YQ98I10)	=943G)				
MANNIT SODIUM POTASS ACETIC	OL (UNII: 3 I CHLORID IUM CHLO ACID (UNII:	OWL53L36A) E (UNII: 451W4 RIDE (UNII: 660 : Q40Q9N063P)	Ingredient Name 7IQ8X) 0YQ98I10)	=943G)				
MANNIT SODIUM POTASS	OL (UNII: 3 I CHLORID IUM CHLO	OWL53L36A) E (UNII: 451W4' RIDE (UNII: 660	Ingredient Name 7IQ8X) 0YQ98I10)	-9436)				
MANNIT SODIUM	OL (UNII: 3 I CHLORID	owl53l36a) E (UNII: 451W4	Ingredient Name 7IQ8X)	-9436)				
				=943G)				
nactiv	ve Ingre	dients		_943G)		ARENARIA VENU		
nactiv	ve Ingre	dients		-9436)		ARENARIA VENU	JM PROTEIN	in 1 mL
				E943G)		ARENARIA VENC	OM PROTEIN	in 1 mL
			NOM PROTEIN (UNII: 7 M PROTEIN - UNII:7PI26)	DOLICHOVESPU		100 ug
		-	edient Name			Basis of S	-	Strengt
Active	Ingredi	ient/Active	Moiety					
Route	of Admini	istration	INTRADERMAL, PERCUT	TANEOUS				
ltem Co	ode (Sou	rce)	NDC:65044-9982					
Produ	ct Infor	mation						
ychow i	nomethy	menoptera		wacı, iyo	prinzed, i			
			YMENOPTERA venom injection, po			for colution		
	1 of 1							
_								
Part 1	1 VIAL			1.2 mL				
		Package (-		Tota	l Product Qu	uantity	
Part #	ity of Fo	arts						
Quant Part #	ity of D							
-	ity of P							

Marketing I	nformat	ion					
Marketing		tion Number or Mo	nograph	Market	ting Start	Marke	ting End
Category		Citation	51	D	ate		ate
BLA	BLA103886			02/22/198	2		
WASP HYME	NOPTER	A VENOM VE	NOMIL	DIAGN	OSTIC		
wasp hymenopter	a venom ve	nomil diagnostic ki	t				
Product Inform	nation						
Product Type	STANDARD	ZED ALLERGENIC	ltem C	ode (Sou	rce)	NDC:65044	-9989
Packaging							
# Item Code	Pac	kage Description	r	Marketing		Marketi	
		Type 0: Not a Combinat	tion	Date	9	Da	te
1 1	Product	ype 0. Not a Combinat	LIOTI				
Quantity of Pa	rts						
Part #	Package C	Duantity		Total F	Product Q	uantitv	
Part 1 1 VIAL			1.2 mL		· · · · · ·		
Part 1 of 1							
WASP HYMI	ENOPTE	RA VENOM					
wasp hymenopte	ra venom in	jection, powder, ly	ophilized, fo	or solutior	ו		
Product Inform	nation						
Item Code (Sourc	ce)	NDC:65044-9983					
Route of Adminis	tration	INTRADERMAL, PERCU	TANEOUS				
Active Ingredie	ent/Active	Moiety					
		edient Name			Basis of	Strength	Strength
		(UNII: 1Y504O9ZMQ)	(POLISTES SF	P. VENOM	POLISTES S PROTEIN	PP. VENOM	100 ug in 1 mL
PROTEIN - UNII:1Y504	UJZINQ)				TROTEIN		111 I 111L
Inactive Ingred	lients						
		Ingredient Name				Stre	ngth
MANNITOL (UNII: 30 SODIUM CHLORIDE		7I08X)					
	(01011: 4510047	ועסאו					

	ETIC ACID (UNII:	Q40Q9N063P)			
\L/	ANINE (UNII: OF5	P57N2ZX)			
Pa	ckaging				
#	ltem Code	Package Description		Marketing Start Date	Marketing End Date
	NDC:65044- 9983-2	1.2 mL in 1 VIAL; Type 0: Not a Combination Product	ו		
M	arketing	nformation			
	Marketing Category	Application Number or Monogra Citation	aph	Marketing Start Date	Marketing End Date
3 L A	A	BLA103884		02/22/1982	
M	arketing Marketing	nformation Application Number or Monogra	aph	Marketing Start	Marketing End
	Category	Citation		Data	Data
				Date	Date
3LA		BLA103884		Date 02/22/1982	Date
fE rell	LLOW JAC ow jacket hym	BLA103884		02/22/1982	
ell Pr	LLOW JAC ow jacket hym	BLA103884	kit	02/22/1982	
fE rell Pr	LLOW JAC ow jacket hym	BLA103884	kit	02/22/1982	GNOSTIC
rell Pr	LLOW JAC ow jacket hym	BLA103884	kit	02/22/1982	GNOSTIC
rell Pr Pr	ELLOW JAC ow jacket hym roduct Infor oduct Type	BLA103884	kit :em C	02/22/1982	GNOSTIC

Quant	ity of Parts	
Part #	Package Quantity	Total Product Quantity
Part 1	1 VIAL	1.2 mL

Part 1 of 1

YELLOW JACKET HYMENOPTERA VENOM

yellow jacket hymenoptera venom injection, powder, lyophilized, for solution

Product Infor	mation					
Item Code (Sou	rce)	NDC:65044-9984				
Route of Admini	istration	INTRADERMAL, PERCUTANEOUS				
Active Ingredi	ient/Active	Moiety				
	Ingre	edient Name		Basis of S	Strength	Strengt
VESPULA GERMAN GERMANICA VENOM		ROTEIN (UNII: 8SH7583MUK) (VES 8SH7583MUK)	PULA	VESPULA GER VENOM PROTE		20 ug in 1 mL
VESPULA MACULIE MACULIFRONS VENC		PROTEIN (UNII: V34908RT03) (VI NII:V34908RT03)	ESPULA	VESPULA MAC		20 ug in 1 mL
VESPULA PENSYLV PENSYLVANICA VENO		1 PROTEIN (UNII: Q79PS8P34R) (\ NII:Q79PS8P34R)	/ESPULA	VESPULA PEN VENOM PROTE		20 ug in 1 mL
VESPULA SQUAMO SQUAMOSA VENOM		ROTEIN (UNII: D7974DM2EJ) (VESP D7974DM2EJ)	ULA	VESPULA SQU VENOM PROTE		20 ug in 1 mL
VESPULA VULGARI VULGARIS VENOM PI		TEIN (UNII: S125N1F5X5) (VESPU 125N1F5X5)	LA	VESPULA VULO VENOM PROTE		20 ug in 1 mL
MANNITOL (UNII: 3	OWL53L36A)	Ingredient Name			Stre	ngth
SODIUM CHLORID	•	(IO8X)				
POTASSIUM CHLO						
		(1Q90IIU)				
ACETIC ACID (UNII		1(39110)				
ACETIC ACID (UNII: ALANINE (UNII: OF5	: Q40Q9N063P)	1(39110)				
ALANINE (UNII: OF5	: Q40Q9N063P)	1(39110)				
ALANINE (UNII: OF5 Packaging	: Q40Q9N063P) P57N2ZX)	:kage Description		ting Start Date		ing End
ALANINE (UNII: OF5 Packaging # Item Code	: Q40Q9N063P) SP57N2ZX) Pac			-		-
ALANINE (UNII: OF5 Packaging # Item Code 1 NDC:65044-	: Q40Q9N063P) SP57N2ZX) Pac 1.2 mL in 1 VI/	ckage Description		-		-
ALANINE (UNII: OF5 Packaging # Item Code 1 NDC:65044- 9984-2	: Q40Q9N063P) ;P57N2ZX) Pac 1.2 mL in 1 VIA Product	:kage Description AL; Type 0: Not a Combination		-		-
ALANINE (UNII: OF5 Packaging # Item Code 1 NDC:65044- 9984-2	: Q40Q9N063P) P57N2ZX) Pac 1.2 mL in 1 VIA Product Informat	:kage Description AL; Type 0: Not a Combination	D	-	Da	-
ALANINE (UNII: OF5 Packaging # Item Code 1 NDC:65044- 9984-2 Marketing Category	: Q40Q9N063P) P57N2ZX) Pac 1.2 mL in 1 VIA Product Informat	Kage Description AL; Type 0: Not a Combination ion	D	eting Start Date	Da	ate ting End
ALANINE (UNII: OF5 Packaging # Item Code 1 NDC:65044- 9984-2 Marketing Category	Pac Pac 1.2 mL in 1 VI/ Product	Kage Description AL; Type 0: Not a Combination ion	Mark	eting Start Date	Da	ate ting End
ALANINE (UNII: OF5 Packaging # Item Code 1 NDC:65044- 9984-2 Marketing Category BLA	: Q40Q9N063P) SP57N2ZX) Pac 1.2 mL in 1 V/ Product Informat Applicat BLA103887	ckage Description AL; Type 0: Not a Combination ion tion Number or Monograph Citation	Mark	eting Start Date	Da	ate ting End
ALANINE (UNII: OF5 Packaging # Item Code 1 NDC:65044- 9984-2 Marketing Marketing	E Q40Q9N063P) SP57N2ZX) Pac 1.2 mL in 1 V/ Product Informat BLA103887 Informat	ckage Description AL; Type 0: Not a Combination ion tion Number or Monograph Citation	02/22/19	eting Start Date	Marke	ate ting End

Registrant - Jubilant HollisterStier LLC (069263643)

Revised: 11/2023

Jubilant HollisterStier LLC