TREATMENT SET TS340987 - treatment set ts340987 injection, solution TREATMENT SET TS341430 - treatment set ts341430 injection, solution TREATMENT SET TS341451 - treatment set ts341451 injection, solution TREATMENT SET TS341474 - treatment set ts341474 injection, solution TREATMENT SET TS341824 - treatment set ts341824 injection, solution Antigen Laboratories, Inc.

ALLERGENIC EXTRACTS INDIVIDUAL TREATMENT VIAL

WARNINGS

Individual allergenic extract treatment vial is intended for use by physicians who are experienced in the administration of allergenic extracts for immunotherapy and the emergency care of anaphylaxis, or for use under the guidance of an allergy specialist. Individual allergenic extract treatment vials are not directly interchangeable with other allergenic extracts. The initial dose must be based on skin testing as described in the dos age and administration section of this insert. Patients being switched from other types of extract to individual treatment vials should be started as though they were coming under treatment for the first time. Patients should be instructed to recognize adverse reaction symptoms and cautioned to contact the physician's office if reaction symptoms occur. As with all allergenic extracts, severe systemic reactions may occur. In certain individuals, these reactions may be life-threatening. Patient should be observed for at least 20 minutes following treatment and emergency measures as well as personnel trained in their use should be immediately available in the event of a life-threatening reaction.

This product should not be injected intravenously. Deep subcutaneous routes have proven to be safe. See the warnings, precautions, adverse reactions and overdosage sections below.

DESCRIPTION

Allergenic extract in this vial is referred to as an individual treatment vial since it is designed primarily for the physician equipped to complete skin testing and supervise allergenic extract immunotherapy. The extract is sterile and intended for subcutaneous injection. The concentration of allergenic extract supplied will be based on the individual physician's prescription order and will be expressed in most cases on a weight/volume basis (or AU/ml with standardized extract) diluted either 1:10 or 1:5. Where mixtures of pollens and non-pollens have been ordered, the ingredients are listed on the final container label. To insure maximum potency for the entire dating period, dilutions will be prepared with 50% v/v glycerine unless otherwise specified.

Ingredients - Active allergens, preservative and stabilizer are noted on the Physicians Prescription Ingredients Insert enclosed with each individual allergenic extract treatment vial.

Dating Period - A twelve month dating period (expiration date) for the prescription vial will be on the container label. Extract Treatment Sets should be reordered when outdated. Government requirements include a two week holding period for sterility tests. Please allow three weeks minimum for delivery.

CLINICAL PHARMACOLOGY

The mechanisms by which immunotherapy (hyposensitization) is achieved are not completely understood. Anaphylaxis or "anaphylactic shock," and hay fever are caused by the same basic process: the production of IgE antibody, its attachment to mast cells and, on renewed contact with the same

antigen explosive degranulation of the mast cells and release of mediators, which act on smooth muscle, mucous glands, and blood vessels. With massive release there is bronchospasm, vomiting, skin rashes, edema of the nose and throat, and vascular collapse, sometimes fatal, while with more localized release one or more of these symptoms predominates, depending on the site (tissue shock organ) of exposure to the antigen.

Antigens that can trigger these reactions are known as "allergens"; they have very diverse origins but a curious similarity of molecular weight. People who suffer unduly from allergy are called "atopic"; this trait is usually inherited and has been attributed to a variety of constitutional abnormalities.

The IgE dependent degranulation of mast cells is initiated by the bridging of pairs of cell-bound IgE by antigen and terminates rapidly. Bridging results in alteration of the cell membrane, which is associated with increased energy dependent entry of calcium, alterations in phospholipid metabolism and increase of cyclic adenosine monophosphate (cyclic AMP).

The mast cell membrane is ruffled and possesses receptors both for the Fc portion of IgE and C3b. Receptors for anaphylatoxin (C3a and C5a), have been defined functionally. In addition to IgE antigen interaction and stimulation by anaphylatoxin, mast cells may be degranulated by non-immunological stimuli such as enzymes, ionophores, polycations, radio-contrast dyes and opiates. Atopic individuals develop their symptoms principally as a result of IgE-dependent processes; however, non- IgE mediated mechanisms for the release of mast cell mediators provide additional potential for recruitment of mediators.

Subsequent to activation, the secretion of granules is under cyclic nucleotide regulation. Of direct relevance is the possibility that the mast cell itself, by histamine (H^2) and prostaglandins (E^2 , D^2 , I^2) may increase cyclic AMP and inhibit secretion. Conversely histamine (H^1) could elevate cyclic GMP and PGF, 2 alpha lower cyclic AMP, augmenting the release of mediators. $_{18}$

INDICATIONS AND USAGE

When the natural exposure to elevated aeroallergens produces symptoms as described under Clinical Pharmacology, specific diagnosis and therapeutic procedures are indicated. Clearly, important clues to the cause of a person's allergic condition can be gleaned from a thorough history and careful physical examination. Diagnostic tests - in vitro or in vivo - serve only to confirm the physician's suspicions or to improve investigative skills. Specific diagnosis is especially indicated when the patient's symptoms are not controlled by medication. When immunotherapy is contemplated demonstration of sensitivity to a specific allergenic extract is necessary. An orderly approach to the use of diagnostic tests usually begins with direct skin testing. _{5,6,11}

THIS PRODUCT IS NOT INTENDED FOR TREATMENT OF PATIENTS WHO DO NOT MANIFEST IMMEDIATE HYPERSENSITIVITY REACTIONS TO THE ALLERGENIC EXTRACT FOLLOWING SKIN TESTING.

CONTRAINDICATIONS

There are no absolute contraindications; however, extreme caution is necessary when using diagnostic skin tests or injection treatment in highly sensitive patients, who have experienced severe symptoms or anaphylaxis by natural exposure or previous skin testing or treatment. IN THESE CASES BOTH THE POTENCY FOR SKIN TESTS AND THE ESCALATION OF THE TREATMENT DOSE MUST BE ADJUSTED TO THE PATIENT'S SENSITIVITY AND TOLERANCE.

This product is not intended for the treatment of patients who do not experience allergic symptoms upon natural exposure to the allergen. At the present time there has been no demonstrated adverse effects on the fetus when allergenic extract immunotherapy is administered during gestation to pregnant women.

100,000 AU/ml standardized allergenic extract should be used by physicians with experience in maximal dose immunotherapy and treatment of anaphylaxis.

WARNINGS

Epinephrine 1:1000 should be available.

When changing immunotherapy from an unstandardized to an AU/ml standardized allergenic extract, dose adjustment, if indicated, should be based on the comparative potency of the extracts. Patient re-evaluation may be necessary.

Injections should never be given intravenously. A 5/8 inch 25 gauge needle on a sterile syringe will allow deep subcutaneous injection. Precaution of withdrawing the plunger slightly after inserting the needle is advisable to determine if a blood vessel has been entered. Proper measurement of the dose and caution in making the injection will minimize reactions. Patients should be detained for twenty to thirty minutes after injection or advised to return to the office immediately if symptoms or reactions occur.

Sensitive patients may experience severe anaphylactic reactions resulting in respiratory obstruction, shock, coma and/or death.

GENERAL PRECAUTIONS

Pregnancy Category C: There are no adequate and well controlled studies in pregnant women. Allergenic extracts should be used during pregnancy only if the potential benefit justifies the potential risk to the fetus.

Pediatric Use: Doses of allergenic extracts for children are generally the same as those for adults. The maximum volume of extract tolerated without undue pain and swelling may be less for smaller individuals and therefore the maximum dose and treatment schedule must be individualized.

Animal reproduction studies have not been conducted with allergenic extracts. It is also not known whether allergenic extracts can cause fetal harm when administered to a pregnant woman or can affect reproduction capacity. Allergenic extracts should be given to a pregnant woman only if clearly needed. 15

Refrigerate at 2-8 degrees C.

Sterile solutions, vials, syringes, etc. should be used. Aseptic technique should be observed when making dilutions, skin testing, and extracts for treatment. The usual precautions in administering allergenic extracts are necessary.

A separate autoclave sterilized or disposable syringe and needle should be used for each individual patient to prevent transmission of serum hepatitis, A.I.D.S. and other infectious agents from one person to another.

The initial dilution of allergen extract, starting dose, and progression of dosage must be carefully determined on the basis of the patient's history and results of skin tests. Patients with a history of severe sensitivity and markedly positive skin tests to high dilutions of the allergen extract should be started with low doses of highly diluted extract. Pregnancy or a history of prior reactions to allergen immunotherapy dictates the need to start with small quantities of antigen.

If the first injection of the initial dilution of extract is tolerated without significant local reaction, increasing doses by 5-20% increments of that dilution may be administered. The rate of increase in dosage in the early stages of treatment with highly diluted extracts is usually more rapid than the rate of increase possible with more concentrated extracts. This schedule is intended only as a guide and must be modified according to the reactivity of the individual patient. Needless to say, the physician must proceed cautiously in the treatment of the highly sensitive patient who develops large local or systemic reactions.

Some patients may tolerate larger doses, but it is rarely necessary to give maintenance doses larger than 2,000 AU/ml of the standardized extract or 0.5 ml of 1:100 w/v of the unstandardized extract. Because

dilute extracts tend to lose activity on storage, the first dose from a more concentrated vial, should be the same or less than the previous dose. $_{1,2,3,4,16}$

Immunotherapy must be given under the supervision of a physician. Before an injection is given the patient should be asked about any reaction following the previous injection to help determine the next dose. Target maintenance dose should be determined by the physician's experience and patient response to skin testing and treatment.

Dosages progressively increase thereafter according to the tolerance of the patient at intervals of one to seven days until, (1) the patient achieves relief of symptoms, (2) induration at the site of injection is no larger than 50 mm in 36 to 48 hours, (3) a maintenance dose short of aggravating existing symptoms, systemic symptoms, or anaphylaxis. The dose should be escalated until the patient is receiving a final maintenance dose containing 2.7 to 22 u/ml or more of ragweed AgE (using Short Ragweed as example) or demonstrates untoward reactions that indicate the dose to be excessive. This maintenance dose may be continued at regular intervals perennially or achieved each year by a new, but shortened course of treatment. It may be necessary to adjust the progression of dosage downward to avoid local and constitutional reactions.

Immunotherapy of patients highly sensitive to ragweed pollen (using Short Ragweed as an example) receiving a dose of 2.7 to 46.8 units of ragweed AgE (1,000-2,000 or more AU/ml of standardized ragweed extract) was significantly more effective than placebo for (1) relieving symptoms of ragweed hay fever, (2) producing increase in serum levels of anti-ragweed IgG, (3) decrease in seasonal rises in levels of anti-ragweed IgE, (4) decrease in leukocyte histamine release from exposure to ragweed pollen extract in some patients, and (5) increase in IgG and IgA antibodies in nasal secretions. ¹⁷

In addition to these changes in humoral antibody production, immunotherapy also effects some cellular changes. Basophils from treated subjects release less histamine in vitro and are less sensitive to the allergen (that is, higher concentrations of allergens are required to induce histamine release) than are basophils from non-treated patients. Lymphocytes from treated patients exhibit decreased proliferative response and decreased production of lymphokine in the presence of the specific allergen. A state of tolerance may be induced in the IgE producing B lymphocytes, there may be impairment in T-lymphocyte helper function, or immunotherapy may generate suppressor cells. Antigen specific suppressor cells, probably bearing histamine receptors, are generated during immunotherapy for allergy and may be partly responsible for the efficacy of this therapy. 14

Loss of potency of aqueous pollen extracts has been recognized as a problem since shortly after the introduction of modern methods of immunotherapy. This loss of potency occurs more rapidly in saline extracts without added preservatives at high temperature and at greater extract dilutions. At concentrations of 1:100 all dilutions containing glycerin, human serum albumin, maintained extract potency within 1 logarithm (log) dilution of the original strength for 12 months; glycerin was significantly superior to all other extracts at 1, 3, and 12 months; and the deleterious effect of phenol was minimal. The deleterious effect of phenol was more marked at the higher dilutions. It was concluded that there may be marked loss of potency of dilute pollen extracts stored for periods of only two weeks under conditions which may be encountered in normal clinical practice. 12

DOSAGE AND ADMINISTRATION

As a consequence of the discovery of IgE and the development of methods to identify and quantify antiallergen IgE levels, interest in recent years has centered around the utilization of in vivo and in vitro diagnostic procedures. _{7,9}

Patients who react to a small quantity of antigen by skin testing can be classified as highly sensitive. Those who react only to large quantities of antigen can be classified as less sensitive. It would appear that there is at least a 50,000-fold range between the most and least sensitive individuals. On the other hand, certain patients who do not appear to have elevated quantities of specific anti-allergen IgE do have positive skin tests and have symptoms of allergic rhinitis. These patients are considerably less

sensitive than patients with detectable levels of specific IgE antibody. 10

The current standard method of immunotherapy dates back to the earliest studies by Noon. As adapted for ragweed pollen extract, therapy is begun with a low dose, which has been shown to be tolerated by both experience and skin testing.

The physician who undertakes immunotherapy should be concerned with the degree of sensitivity of the patient. This can be measured by skin test, leukocyte histamine release, or anti-allergen IgE levels. Strongly positive skin tests or high initial ragweed IgE and total IgE may be risk factors for systemic reactions. Less aggressive immunotherapy schedules may be indicated for such patients. Maintenance dose potency must be established by the physician's clinical observation and experience. 10,17

Serial fivefold or tenfold dilutions of the extract are used to make more dilute extract concentrations. Other concentrations can be prepared by appropriate dilution. In brief, the allergist can prepare any dilution of extract that is considered appropriate for the patient.

ADVERSE REACTIONS

Systemic reactions may range from mild exaggeration of the patient's allergic symptoms to anaphylactic reactions. Very sensitive patients may show a rapid response. In some instances a severe systemic reaction with blood pressure fall and/or shock may occur. Quantitation of patient's sensitivity combined with careful early observation is essential for safe skin testing and treatment.

Other reactions include, but are not necessarily limited to urticaria, itching, edema of the extremities, respiratory wheezing or asthma, dyspnea, cyanosis, tachycardia, lacrimation, marked perspiration, flushing of the face, neck or upper chest, mild persistent clearing of the throat, hacking cough, or persistent sneezing.

1) Local Reactions

Small amounts of erythema and swelling at the site of injection are common, the extent varying with the patient. Such reactions should not be considered significant unless they persist for at least 24 hours or exceed 50 mm. in diameter.

Larger local reactions are not only uncomfortable, but also indicate the possibility of a systemic reaction if dosage is increased. In such cases the dosage should be reduced to the last level not causing the reaction and maintained at this level for two or three treatments before cautiously increasing again.

Large, persistent local reactions or minor exacerbations of the patient's allergic symptoms may be treated by local cold applications and/or the use of oral antihistamines, but they should be considered a warning of possible severe systemic reactions and the need for temporarily reduced dosages.

A mild burning immediately after the injection is to be expected; this usually leaves in 10 to 20 seconds. Prolonged pain, or pain radiating up the arm, is usually the result of intramuscular injection, making this injection route undesirable. Subcutaneous injection is the recommended route.

2) Systemic Reactions

With careful attention to dosage and administration, such reactions occur infrequently, but it must be remembered that allergenic extracts are highly potent to sensitive individuals and OVERDOSE could result in anaphylactic symptoms. Therefore, it is imperative that physicians administering allergenic extracts understand and be prepared for the treatment of severe reactions.

Adverse reaction frequency data for allergenic extract administration is not available. Inherent difficulties in establishing such data are the wide variations in clinical allergy types, patient sensitivity, treatment schedules used by allergists, potency of extracts from various sources, etc.

It cannot be overemphasized that, under certain unpredictable combinations of circumstances, anaphylactic shock is always a possibility. Other possible systemic reaction symptoms are, in varying degrees of severity, fainting, pallor, bradycardia, hypotension, angioedema, cough, wheezing,

OVERDOSAGE

If a systemic or anaphylactic reaction does occur, apply a tourniquet above the site of injection and inject intranuscularly or subcutaneously 0.3 to 0.5 ml of 1:1000 epinephrine-hydrochloride into the opposite arm. The dose may be repeated in 5-10 minutes if necessary. Loosen the tourniquet at least every 10 minutes.

The epinephrine HCL 1: 1000 dose for infants to 2 years is 0.05 to 0.1 ml; for children 2 to 6 years it is 0.15 ml; for children 6 to 12 years it is 0.2 ml.

Patients unresponsive to epinephrine may be treated with theophylline. Studies on asthmatic subjects reveal that plasma concentrations of theophylline of 5 to 20 ug/ml are associated with therapeutic effects. Toxicity is particularly apparent at concentrations greater than 20 ug/ml. A loading dose of aminophylline of 5.6 mg/kg intravenously followed by 0.9 mg/kg per hour results in plasma concentrations of approximately 10 ug/ml. (Mitenko and Ogilive 1973b; Nicholoson and Chick 1973).

Other beta-adrenergic drugs such as isoproterenol, isoetharine, or albuterol may be used by inhalation. The usual dose to relieve broncho-constriction in asthma is 0.5 ml or the 0.5% solution for isoproterenol HCL; albuterol is longer acting than isoproterenol by any route of administration. The albuterol inhaler delivers approximately 90 mcg of albuterol from the mouthpiece. The usual dosage for adults and children would be two inhalations repeated every 4 to 6 hours. Isoetharine supplied in the Bronkometer unit delivers approximately 340 mcg isoetharine. The average adult dose is one to two inhalations.

Patients receiving beta-blockers may not be responsive to epinephrine or inhaled bronchodilators. Respiratory obstruction not responding to parenteral or inhaled bronchodilators may require Theophylline, low-flow oxygen, intubation and the use of life support systems. Parenteral fluid and/or plasma expanders may be utilized for treatment of shock and low flow (two liters per minute) oxygen may be utilized if indicated. Adenocorticosteroids may be administered parenterally or intravenously. 8

HOW SUPPLIED

Individual treatment sets as prescribed by the physician. The allergenic extract contains a variable number of individual doses depending on the patient's sensitivity and maximum tolerated maintenance treatment dose.

REFERENCES

1. Baer, Harold E.: The Regulation of Allergenic Extracts by the • U.S. Food and Drug Administration, Regulatory Control and Standardization of Allergenic Extracts, First International Paul-Ehrlich Seminar, May 20-22, 1979, Frankfurt, Germany, pp. 10-11.

2. Baer, Harold E.: Evaluation of RAST Inhibition, International Joint Steering Committee for Allergen Standardization, Course on Allergen Standardization, The Protein Laboratory, University of Copenhagen, August 4-9, 1980.

3. Baer, Harold E., L. Bolin, D. Levy, H. Lowenstein, & A. DeWeck: Standard reference extracts, (round table discussion), International Joint Steering Committee for Allergen Standardization, Course on Allergen Standardization. The Protein Laboratory, University of Copenhagen, August 4-9, 1980.

4. Baer, Harold E.: Second International Paul-Ehrlich Seminar on Regulatory Control and Standardization of Allergenic Extract, Frankfurt, Germany, September 13-15, 1981.

5. Evans, Richard, III and Summers, Richard: In vivo and in vitro tests to confirm clinical findings -

Diagnostic tests for allergic patients. Journal of Respiratory Diseases, Vol. 65, No. 7, July 1981.

6. Fadal, Richard G. & Nalebuff, Donald J.: Tools of the Allergists: Old and New. Continuing Education for the Family Physician, Vol. 10, No. 5, May 1979, pp. 37-61.

7. Allergenic Products: Antigen E. Potency Test: Additional Standards for Miscellaneous Products, 21 CFR Part 680, Federal Register, Vol. 46, No. 147, Friday, July 31, 1981, Rules and Regulations, pp. 39128-39136.

8. Goodman, Louis S., Gillman, Alfred: Editors, The Pharmacological Basis of Therapeutics. MacMillan Publishing Co., Inc., Chapter 19, p. 375.

9. Kniker, William T.: Clinical Science and Common Sense in the Diagnosis and Immunotherapy of Respiratory Allergy. Continuing Education for the Family Physician, Vol. 10, No. 5, May 1979, pp. 16-33.

10. Matthews, Kenneth, et al: Rhinitis, Asthma and the Other Allergic Diseases, NIAID Task Force Report, U.S. Dept. HEW, NIH Publication No. 79-387, Chapter 4, pp. 213-217, May 1979.

11. Nalebuff, Donald J. and Fadal, Richard G.: The Modified RAST Assay: An Aid in the Diagnosis and Management of Allergic Disorders. Continuing Education for the Family Physician, Vol. 10, No. 5, May 1979, pp. 64-76.

12. Nelson, Harold S.: The Effect of Preservatives and Dilution on the Deterioration of Russian Thistle (Salsola pestifer), a pollen extract. The Journal of Allergy and Clinical Immunology. Vol. 63, No. 6, pp. 417-425, June 1979.

13. Norman, Philip S., Lichtenstein, L.M., Ishizaka, K.: Diagnostic tools in ragweed hay fever. A comparison of direct skin tests IgE antibody measurements and basophil histamine release. The Journal of Allergy and Clinical Immunology. Vol. 52, 1973, pp. 210.

14. Rocklin, Ross E., Sheffer, Albert L., Grainader, Dirk K., and Melmon, Kenneth: Generation of antigen-specific suppressor cells during allergy desensitization. New England Journal of Medicine, 302: May 29, 1980, pp. 1213-1219.

15. Seebohm, Paul M., et al: Panel on Review of Allergenic Extracts, Final Report, Food and Drug Administration, March 13, 1981, pp. 9-48.

16. Stevens, E.: Cutaneous Tests, Regulatory Control and Standardization of Allergenic Extracts, First International Paul-Ehrlich Seminar, May 20-22, 1979, Frankfurt, Germany, pp. 133-138.

17. Van Metre, Thomas E., Jr., Adkinson, N. Franklin, Jr., Amodio, Frank J., Lichtenstein, Lawrence L., Mardinay, Michael R., Jr., Norman, Philip S., Rosenberg, Gary L., Sobotka, Anne K., & Valentine, Martin D.: A comparative study of the effectiveness of the Rinkel method and the current standard method of immunology for ragweed pollen hay fever. The Journal of Clinical Allergy and Immunology, Vol. 66, No. 6, p. 511, December 1980.

18. Wasserman, S.: The mast cell and the inflammatory response, The Mast Cell - its role in health and disease. Edited by J. Pepys & A.M. Edwards, Proceedings of an International Symposium, Davos, Switzerland, Pitman Medical Publishing Co., 1979, pp. 9-20.

CONTAINER LABELING



ALLERGENIC EXTRACT

Initial dose: 0.10 ml subcutaneous. CAUTION: U.S. Federal Law prohibits dispensing without prescription. U.S. Government License No. 468 No.U.S. Standard of Potency REFRIGERATE AT 2"- 8" C. NON-RETURNABLE

For Physician's Use Only. See Physician's Rx ingredients insert for active allergens, preservative and stabilizer WARNING: Read Individual Treatment Vial insert for instructions, dilution and dosage schedule. P.O. BOX 123, LIBERTY, MO 64069 U.S.A.

TREATMENT SET TS340987

treatment set ts340987 injection, solution

Product Information					
Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:49288-0813		
Route of Administration	SUBCUTANEOUS, INTRADERMAL				
A stiller Treasure dis use/A stiller D.C.s.					
Active Ingredient/Active Moi	ety				
Ing	redient Name	Basis of Stre	ngth Strength		

CANIS LUPUS FAMILIAF - UNII:05S7L91ZTR)	RIS HAIR (UN	NII: 05S7L91ZTR) (CANIS LUPUS FAMILIARIS HAIR CANIS LUPUS FAMILIARIS HA					.002 g n 1 mL	
Inactive Ingredients	5							
		Ingredient Name					Strei	ngth
WATER (UNII: 059QF0KC	00R)	0						0
SODIUM CHLORIDE (UN		3X)						
SODIUM BICARBONATE	E (UNII: 8 MDF	'5V39QO)						
GLYCERIN (UNII: PDC6A	3C0OX)							
PHENOL (UNII: 339NCG4	4TV)							
Packaging								
# Item Code	Pa	ckage Description	Marketin	ng Star	t Date	Mar	keting Eı	nd Date
1 NDC:49288-0813-3	10 mL in 1	VIAL, MULTI-DOSE						
Marketing Infor	mation							
Marketing Infor				/	n n C ta nt D		<i>6</i> 1	To d Data
Marketing Category		on Number or Monograph			ng Start D	ate N	Marketing	End Date
BLA	BLA102223		10)/31/1980	0			
TREATMENT S	ET TS34	1430						
treatment set ts341430) injection,	solution						
Product Information	n							
Product T ype		HUMAN PRESCRIPTION DR	RUG	Ite m C	ltem Code (Source)		NDC:492	88-0814
Route of Administratio	n	SUBCUTANEOUS, INTRAD	DERMAL					
Active Ingredient/A	ctive Moi	ety						
	Ingr	edient Name			Basis o	of Stre	ngth	Strength
IUNIDEDUS VIDCINIANA	POLLEN (U	JNII: PY0JA16R2G) (JUNIPER)	US VIRGINIAN	A J	UNIPERUS	VIRGINI	ANA	0.00008 g

POLLEN - UNII: PY0JA16R2G)	POLLEN	0.00008 g in 1 mL
ACER NEGUNDO POLLEN (UNII: P6K070AR8V) (ACER NEGUNDO POLLEN - UNII:P6K070AR8V)	ACER NEGUNDO POLLEN	0.002 g in 1 mL
SORGHUM HALEPENSE POLLEN (UNII: 577VA5B4HP) (SORGHUM HALEPENSE POLLEN - UNII:577VA5B4HP)	SORGHUM HALEPENSE POLLEN	0.002 g in 1 mL
CARYA ILLINO INENSIS POLLEN (UNII: PYO4JR720Y) (CARYA ILLINO INENSIS POLLEN - UNII: PYO4JR720Y)	CARYA ILLINOINENSIS POLLEN	0.001 g in 1 mL
CARYA TOMENTOSA POLLEN (UNII: G2A764T54B) (CARYA TOMENTOSA POLLEN - UNII:G2A764T54B)	CARYA TOMENTOSA POLLEN	0.001 g in 1 mL
ULMUS AMERICANA POLLEN (UNII: 89BAT511BD) (ULMUS AMERICANA POLLEN - UNII:89BAT511BD)	ULMUS AMERICANA POLLEN	0.00008 g in 1 mL
POPULUS DELTOIDES POLLEN (UNII: 476 DVV63WP) (POPULUS DELTOIDES POLLEN - UNII:476 DVV63WP)	POPULUS DELTOIDES POLLEN	0.002 g in 1 mL
IVA ANNUA POLLEN (UNII: Y2U5S5PF22) (IVA ANNUA POLLEN - UNII:Y2U5S5PF22)	IVA ANNUA POLLEN	0.002 g in 1 mL
AMARANTHUS RETROFLEXUS POLLEN (UNII: 73B14PX5FW) (AMARANTHUS	AMARANTHUS	0.002 g

	I - UNII:73B14PX5FW)		RETROFLEXUS P	OLLEN	in 1 mL
SALSOLA KALI POLL UNII:2MH135KC6G)	EN (UNII: 2MH135KC6G) (SALSOLA KALI)	POLLEN -	SALSOLA KALI P	POLLEN	0.002 g in 1 mL
BASSIA SCOPARIA PO UNII:07A108ZKW5)	LLEN (UNII: 07A108ZKW5) (BASSIA SCO	PARIA POLLEN -	BASSIA SCOPAR	IA POLLEN	0.002 g in 1 mL
CHENOPODIUM ALBU POLLEN - UNII:098LKX	M PO LLEN (UNII: 098LKX5NCN) (CHENO 5NCN)	PODIUM ALBUM	CHENOPODIUM A POLLEN	ALBUM	0.002 g in 1 mL
FELIS CATUS HAIR (UN	NII: 1564HD0N96) (FELIS CATUS HAIR - UN	NII:1564HD0N96)	FELIS CATUS HA	IR	16 [BAU] in 1 mL
DERMATO PHAGO IDES FARINAE - UNII:PR9 U2Y	5 FARINAE (UNII: PR9 U2 YPF3Q) (DERMAT) PF3Q)	OPHAGOIDES	DERMATOPHAGC FARINAE	DIDES	16 [AU] in 1 mL
	PTERONYSSINUS (UNII: 57L1Z5378K) PTERONYSSINUS - UNII:57L1Z5378K)		DERMATOPHAGO PTERONYS SINUS		400 [AU] in 1 mL
RHIZOPUS STOLONIF UNII:FEE198DK4Q)	ER (UNII: FEE198DK4Q) (RHIZOPUS STOL	LONIFER -	RHIZOPUS STOL	ONIFER	0.002 g in 1 mL
PHO MA DESTRUCTIVA UNII:A17SE577FM)	(UNII: A17SE577FM) (PHOMA DESTRUCT	IVA -	PHOMA DESTRUC	CTIVA	0.002 g in 1 mL
CANDIDA ALBICANS (1	JNII: 4D7G21HDBC) (CANDIDA ALBICANS	- UNII:4D7G21HDBC)	CANDIDA ALBIC	ANS	0.00008 g in 1 mL
COCHLIOBOLUS SAT UNII:3LN5B70U4W)	IVUS (UNII: 3LN5B70U4W) (COCHLIOBOL	LUS SATIVUS -	COCHLIOBOLUS	SATIVUS	0.002 g in 1 mL
CLADO SPORIUM CLA CLADOSPORIOIDES - U	DOSPORIOIDES (UNII: 4ZWY20GTGO) (C NII:4ZWY20GTGO)	LADOSPORIUM	CLADOSPORIUM CLADOSPORIOIE		0.002 g in 1 mL
	GENUM VAR. CHRYSO GENUM (UNII: 3Y GENUM VAR. CHRYSO GENUM - UNII:3Y1PE		PENICILLIUM CHI VAR. CHRYSOGE		0.0004 g in 1 mL
	LULANS VAR. PULLUTANS (UNII: D1A2N .ULANS VAR. PULLUTANS - UNII:D1A2NG	EACK)	AUREOBASIDIUN PULLULANS VAF PULLUTANS		0.002 g in 1 mL
USTILAGO CYNODON UNII:0 V3J4YEX2W)	TIS (UNII: 0 V3J4YEX2W) (USTILAGO CYN	IODONTIS -	USTILAGO CYNO	DONTIS	0.001 g in 1 mL
SPORISORIUM CRUEN UNII:GQM6LVU5V8)	TUM (UNII: GQM6LVU5V8) (SPORISORIUI	M CRUENTUM -	SPORISORIUM CH	RUENTUM	0.001 g in 1 mL
UNII:GQM6LVU5V8)					
Inactive Ingredien	ts				
Inactive Ingredien	ts Ingredient Name			Stren	gth
SO DIUM CHLO RIDE (U	Ingredient Name NII: 451W47IQ8X)			Stren	gth
SODIUM CHLORIDE (U SODIUM BICARBONAT	Ingredient Name NII: 451W47IQ8X) TE (UNII: 8MDF5V39QO)			Stren	gth
SO DIUM CHLO RIDE (U SO DIUM BICARBO NAT GLYCERIN (UNII: PDC6	Ingredient Name NII: 451W47IQ8X) FE (UNII: 8MDF5V39QO) A3C0OX)			Stren	gth
SODIUM BICARBONAT GLYCERIN (UNII: PDC6 WATER (UNII: 059QF0K	Ingredient Name NII: 451W47IQ8X) TE (UNII: 8MDF5V39QO) A3C0OX) COOR)			Stren	gth
SO DIUM CHLO RIDE (U SO DIUM BICARBO NAT GLYCERIN (UNII: PDC6	Ingredient Name NII: 451W47IQ8X) TE (UNII: 8MDF5V39QO) A3C0OX) COOR)			Stren	gth
SO DIUM CHLO RIDE (U SO DIUM BICARBO NAT GLYCERIN (UNII: PDC6 WATER (UNII: 059 QF0 K PHENOL (UNII: 339 NCG	Ingredient Name NII: 451W47IQ8X) TE (UNII: 8MDF5V39QO) A3C0OX) COOR)			Stren	gth
SO DIUM CHLO RIDE (U SO DIUM BICARBONAT GLYCERIN (UNII: PDC6 WATER (UNII: 059QF0K PHENOL (UNII: 339NCG PACKAging	Ingredient Name NII: 451W47IQ8X) TE (UNII: 8MDF5V39QO) A3C0OX) COR 444TV)	Markating Ste	rt Doto		
SO DIUM CHLO RIDE (U SO DIUM BICARBO NAT GLYCERIN (UNII: PDC6 WATER (UNII: 059 QF0 K PHENOL (UNII: 339 NCC PHENOL (UNII: 339 NCC Packaging # Item Code	Ingredient Name NII: 451W47IQ8X) TE (UNII: 8MDF5V39QO) A3C0OX) CO0R) 44TV) Package Description	Marketing Sta	rt Date M	Stren	
SODIUM CHLORIDE (U SODIUM BICARBONAT GLYCERIN (UNII: PDC6 WATER (UNII: 059QF0K PHENOL (UNII: 339NCG PACKAging	Ingredient Name NII: 451W47IQ8X) TE (UNII: 8MDF5V39QO) A3C0OX) COR 444TV)	Marketing Sta	rt Date M		
SO DIUM CHLO RIDE (U SO DIUM BICARBONAT GLYCERIN (UNII: PDC6 WATER (UNII: 059QF0K PHENOL (UNII: 339NCC PHENOL (UNII: 339NCC PHENOL (UNII: 339NCC 1 NDC:49288-0814-3	Ingredient Name NII: 451W47IQ8X) TE (UNII: 8MDF5V39QO) A3C∪OX) A3C∪OX A4TV A4TV A4TV A4TV A4TV A4TV A4TV A4TV	Marketing Sta	rt Date M		
SO DIUM CHLORIDE (U SO DIUM BICARBONAT GLYCERIN (UNII: PDC6 WATER (UNII: 059QF0K PHENOL (UNII: 339NCC PHENOL (UNII: 339NCC Marketing Info	Ingredient Name NIE 451W47IQ8X) TE (UNIE 8MDF5V39QO) A3C0OX) A3C0OX) A44TV A4TV A4TV A4TV A4TV A4TV A4TV A4T			larketing En	d Date
SO DIUM CHLO RIDE (U SO DIUM BICARBONAT GLYCERIN (UNII: PDC6 WATER (UNII: 059QF0K PHENOL (UNII: 339NCC PHENOL (UNII: 339NCC PHENOL (UNII: 339NCC 1 NDC:49288-0814-3	Ingredient Name NII: 451W47IQ8X) TE (UNII: 8MDF5V39QO) A3C∪OX) A3C∪OX A4TV A4TV A4TV A4TV A4TV A4TV A4TV A4TV		ting Start Date		d Date

TREATMENT SET TS341451

treatment set ts341451 injection, solution

Product Information					
Product T ype	HUMAN PRESCRIPTION DRUG	Item	Code (Source)	NDC:49	288-0815
Route of Administration	INTRADERMAL, SUBCUTANEOUS				
Active Ingredient/Active Moi					
Ū	redient Name		Basis of Stren	ath	Strength
	329REC7H) (ALTERNARIA ALTERNATA -		Dasis of Stren	gui	0.002 g
UNII:52B29REC7H)	25 NEC/11) (ALTERIVARIA ALTERIVATA -		ALTERNARIA ALTEI	RNATA	in 1 mL
AMBROSIA ARTEMISIIFOLIA POLL ARTEMISIIFOLIA POLLEN - UNII:K20 Y			AMBROSIA ARTEMISIIFOLIA PO	LLEN	4000 [AU] in 1 mL
DERMATO PHAGO IDES FARINAE (UN FARINAE - UNII:PR9 U2 YPF3Q)	NII: PR9U2YPF3Q) (DERMATOPHAGOIDES		DERMATOPHAGOID FARINAE	ES	400 [AU] in 1 mL
DERMATOPHAGOIDES PTERONYSS (DERMATOPHAGOIDES PTERONYSSIN			DERMATOPHAGOID PTERONYSSINUS	ES	400 [AU] in 1 mL
CYNODON DACTYLON POLLEN (UN POLLEN - UNII:175F461W10)	NII: 175F461W10) (CYNODON DACTYLON		CYNODON DACTYL POLLEN	ON	80 [BAU] in 1 mL
POA PRATENSIS POLLEN (UNII: SCE UNII:SCB8J7LS3T)	8J7LS3T) (POA PRATENSIS POLLEN -		POA PRATENSIS PO	LLEN	32 [BAU] in 1 mL
SPORISORIUM CRUENTUM (UNII: GOUNII: GQM6LVU5V8)	M6LVU5V8) (SPORISORIUM CRUENTUM -	-	SPORISORIUM CRUE	ENTUM	0.0004 g in 1 mL
ULMUS AMERICANA POLLEN (UNII: UNII:89BAT511BD)	89BAT511BD) (ULMUS AMERICANA POLL	EN -	ULMUS AMERICANA POLLEN	ł	0.002 g in 1 mL
ACER NEGUNDO POLLEN (UNII: P6K UNII: P6K070AR8V)	070 AR8 V) (ACER NEGUNDO POLLEN -		ACER NEGUNDO PC	LLEN	0.002 g in 1 mL
CARYA TOMENTOSA POLLEN (UNII UNII:G2A764T54B)	: G2A764T54B) (CARYA TOMENTOSA POL	LEN -	CARYA TOMENTOS POLLEN	A	0.002 g in 1 mL
PLATANUS OCCIDENTALIS POLLER OCCIDENTALIS POLLEN - UNII:E03U1			PLATANUS OCCIDE POLLEN	NTALIS	0.002 g in 1 mL
MORUS ALBA POLLEN (UNII: 319T68 UNII: 319T68 187H)	187H) (MORUS ALBA POLLEN -		MORUS ALBA POLL	EN	0.002 g in 1 mL
PLANTAGO LANCEOLATA POLLEN (UNII: DO87T1U2CI) (PLANTAGO LANCEOLATA POLLEN - UNII:DO87T1U2CI)		PLANTAGO LANCEOLATA POLLEN		OLATA	0.002 g in 1 mL
SALSOLA KALI POLLEN (UNII: 2MH1 UNII:2MH135KC6G)	35KC6G) (SALSOLA KALI POLLEN -		SALSOLA KALI POL	LEN	0.002 g in 1 mL
AMARANTHUS RETROFLEXUS POL RETROFLEXUS POLLEN - UNII:73B14P	LEN (UNII: 73B14PX5FW) (AMARANTHUS X5FW)		AMARANTHUS RETROFLEXUS POL	LEN	0.002 g in 1 mL
RUMEX ACETO SELLA POLLEN (UN POLLEN - UNII:N52MIQ81ZW)	I: N52MIQ81ZW) (RUMEX ACETOSELLA		RUMEX ACETOSELI POLLEN	LA	0.002 g in 1 mL
URTICA DIO ICA POLLEN (UNII: DNB UNII:DNB59 M1NVU)	59 M1NVU) (URTICA DIOICA POLLEN -		URTICA DIOICA POI	LLEN	0.002 g in 1 mL

Inactive Ingredients	
Ingredient Name	Strength
SODIUM CHLORIDE (UNII: 451W47IQ8X)	
SODIUM BICARBONATE (UNII: 8MDF5V39QO)	
WATER (UNII: 059QF0KO0R)	
GLYCERIN (UNII: PDC6A3C0OX)	
PHENOL (UNII: 339NCG44TV)	

Pacl	kaging				
#	Item Code	Package Description	Marke	ting Start Date	Marketing End Date
1 ND	C:49288-0815-3	10 mL in 1 VIAL, MULTI-DOSE			
Ma	rketing Info	rmation			
	rketing Info keting Category	mation Application Number or Monograpl	1 Citation	Marketing Start D	Date Marketing End Date

TREATMENT SET TS3 4 treatment set ts341474 injection,			
Product Information			
Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:49288-0817
Route of Administration	INTRADERMAL, SUBCUTANEOUS		
Active Ingredient/Active Moi	etv		
	edient Name	Basis of Streng	th Strength
DERMATO PHAGO IDES PTERONYSS (DERMATO PHAGO IDES PTERONYSSIN		DERMATOPHAGOIDES PTERONYSSINUS	5 400 [AU] in 1 mL
CYNODON DACTYLON POLLEN (UI POLLEN - UNII:175F461W10)	NII: 175F461W10) (CYNODON DACTYLON	CYNODON DACTYLO POLLEN	N 16 [BAU] in 1 mL
IVA ANNUA POLLEN (UNII: Y2U5S5P)	F22) (IVA ANNUA POLLEN - UNII:Y2U5S5PF2	22) IVA ANNUA POLLEN	0.002 g in 1 mL
ACER NEGUNDO POLLEN (UNII: P6K UNII: P6K070AR8V)	070AR8V) (ACER NEGUNDO POLLEN -	ACER NEGUNDO POL	LEN 0.002 g in 1 mL
CANIS LUPUS FAMILIARIS HAIR (UN HAIR - UNII:05S7L91ZTR)	NII: 05S7L91ZTR) (CANIS LUPUS FAMILIARIS	G CANIS LUPUS FAMILL HAIR	ARIS 0.002 g in 1 mL
CANDIDA ALBICANS (UNII: 4D7G21HI UNII:4D7G21HDBC)	DBC) (CANDIDA ALBICANS -	CANDIDA ALBICANS	0.00008 g in 1 mL
PHOMA DESTRUCTIVA (UNII: A17SE UNII:A17SE577FM)	577FM) (PHOMA DESTRUCTIVA -	PHOMA DESTRUCTIVA	A 0.002 g in 1 mL
RHIZOPUS STOLONIFER (UNII: FEE: UNII:FEE198DK4Q)	198DK4Q) (RHIZOPUS STOLONIFER -	RHIZOPUS STOLONIF	ER 0.002 g in 1 mL
PERIPLANETA AMERICANA (UNII: 2F UNII:2RQ1L9N089)	RQ1L9N089) (PERIPLANETA AMERICANA -	PERIPLANETA AMERIO	CANA 0.002 g in 1 mL
JUNIPERUS VIRGINIANA POLLEN (U POLLEN - UNII:PY0JA16R2G)	JNII: PY0JA16R2G) (JUNIPERUS VIRGINIANA	JUNIPERUS VIRGINIAN POLLEN	NA 0.00008 g in 1 mL
ASPERGILLUS FUMIGATUS (UNII: X UNII:X88DF51T48)	88DF51T48) (ASPERGILLUS FUMIGATUS -	ASPERGILLUS FUMIGA	ATUS 0.002 g in 1 mL
CLADO SPO RIUM CLADO SPO RIO ID CLADO SPORIO IDES - UNII:4ZWY20 GT	D ES (UNII: 4ZWY20GTGO) (CLADOSPORIUM 'GO)	CLADOS PORIUM CLADOS PORIOIDES	0.00008 g in 1 mL
PENICILLIUM CHRYSOGENUM VAR (PENICILLIUM CHRYSOGENUM VAR. C	. CHRYSO GENUM (UNII: 3Y1PE1GCIG) CHRYSO GENUM - UNII:3Y1PE1GCIG)	PENICILLIUM CHRYSOGENUM VAR. CHRYSOGENUM	0.00008 g in 1 mL
AUREO BASIDIUM PULLULANS VAR (AUREO BASIDIUM PULLULANS VAR.		AUREOBASIDIUM PULLULANS VAR. PULLUTANS	0.002 g in 1 mL
POPULUS DELTOIDES POLLEN (UN	II: 476 DVV6 3WP) (POPULUS DELTOIDES	POPULUS DELTOIDES	6 0.00008 g

POLLEN - UNII:476DVV63V	,		POLLEN		in 1 mL
BETULA NIGRA POLLEN UNII:93963RFO1P)	(UNII: 93963RFO1P) (BETULA NIGRA PC)LLEN -	BETULA NIGRA PO	OLLEN	0.002 g in 1 mL
FRAXINUS AMERICANA P POLLEN - UNII:G684LX7210	OLLEN (UNII: G684LX721Q) (FRAXINUS Q)	5 AMERICANA	FRAXINUS AMERIO POLLEN	CANA	0.002 g in 1 mL
QUERCUS ALBA POLLEN UNII:Z4Y9ZSV4KK)	I (UNII: Z4Y9ZSV4KK) (QUERCUS ALBA	POLLEN -	QUERCUS ALBA	POLLEN	0.002 g in 1 mL
PLEO SPORA HERBARUM UNII:0 N3Z1P4B2W)	(UNII: 0N3Z1P4B2W) (PLEOSPORA HER	BARUM -	PLEOSPORA HERE	BARUM	0.002 g in 1 mL
SORGHUM HALEPENSE P POLLEN - UNII:577VA5B4H	SORGHUM HALEP POLLEN	ENSE	0.002 g in 1 mL		
AMARANTHUS RETROFL RETROFLEXUS POLLEN - U	EXUS POLLEN (UNII: 73B14PX5FW) (AN JNII:73B14PX5FW)	MARANTHUS	AMARANTHUS RETROFLEXUS PO	DLLEN	0.002 g in 1 mL
GALLUS GALLUS FEATH UNII:1FCM16V0FV)	ER (UNII: 1FCM16V0FV) (GALLUS GALL	US FEATHER -	GALLUS GALLUS	FEATHER	0.0000266 g in 1 mL
ANAS PLATYRHYNCHOS FEATHER - UNII:83B65P479	FEATHER (UNII: 83B65P4796) (ANAS P. 6)	LATYRHYNCHOS	ANAS PLATYRHYN FEATHER	NCHOS	0.0000266 g in 1 mL
ANSER ANSER FEATHER (UNII:15XI414745)	UNII: 15XI414745) (ANSER ANSER FEAT	HER -	ANSER ANSER FE	ATHER	0.0000266 g in 1 mL
CARYA ILLINO INENSIS P POLLEN - UNII:PYO4JR720	OLLEN (UNII: PYO4JR720Y) (CARYA ILI Y)	LINOINENSIS	CARYA ILLINO INE POLLEN	ENSIS	0.00004 g in 1 mL
CARYA TOMENTOSA POLLEN (UNII: G2A764T54B) (CARYA TOMENTOSACARYA TOMENTPOLLEN - UNII:G2A764T54B)POLLEN				DSA	0.00004 g in 1 mL
USTILAGO NUDA HORDE UNII:9 Y53ZS6I82)	USTILAGO NUDA HORDEI (UNII: 9 Y53ZS6182) (USTILAGO NUDA HORDEI - UNII: 9 Y53ZS6182) USTILAGO NUDA HORDEI -				0.0005 g in 1 mL
USTILAGO MAYDIS (UNII: 4K7Z7K7SWG) (USTILAGO MAYDIS - UNII:4K7Z7K7SWG) USTILAGO MAYDIS			IS	0.0005 g in 1 mL	
USTILAGO AVENAE (UNII	USTILAGO AVENAE (UNII: YIH315U1TU) (USTILAGO AVENAE - UNII:YIH315U1TU) USTILAGO AVENAI			AE	0.0005 g in 1 mL
USTILAGO TRITICI (UNII:	BV82OL2IZ8) (USTILAGO TRITICI - UN	II:BV82OL2IZ8)	USTILAGO TRITIC	2I	0.0005 g in 1 mL
Inactive Ingredients					
	Ingredient Name			Str	rength
PHENOL (UNII: 339NCG447	ΓV)				
GLYCERIN (UNII: PDC6A30					
WATER (UNII: 059QF0KO0					
SODIUM BICARBONATE (
SODIUM CHLORIDE (UNII	: 451W47IQ8X)				
Packaging					
# Item Code	Package Description	Marketing S	Start Date I	Marketing	End Date
1 NDC:49288-0817-3	10 mL in 1 VIAL, MULTI-DOSE				
Marketing Inform	nation				
Marketing Category	Application Number or Monograph	Citation Mar	keting Start Date	Marketi	ng End Date
BLA BI	LA102223	10/31/	/1986		

TREATMENT SET TS341824

Product Information					
Product T ype	HUMAN PRESCRIPTION DRUG	Ite m	Code (Source)	NDC:49	288-0818
Route of Administration	SUBCUTANEOUS, INTRADERMAL		. ,		
Active Ingredient/Active Moie	ety				
	edient Name		Basis of Streng		Strength
POLLEN - UNII:577VA5B4HP)	NII: 577VA5B4HP) (SORGHUM HALEPENSE		SORGHUM HALEPENS POLLEN	SE	0.0029 g in 1 mL
UNII:4T81LB52R0)	'81LB52R0) (LOLIUM PERENNE POLLEN -		LOLIUM PERENNE PO	DLLEN	5882 [BAU] in 1 mL
F RAXINUS AMERICANA POLLEN (UN POLLEN - UNII:G684LX721Q)	NII: G684LX721Q) (FRAXINUS AMERICANA		FRAXINUS AMERICAN POLLEN	NA	0.0029 g in 1 mL
POPULUS DELTOIDES POLLEN (UN POLLEN - UNII:476 DVV63WP)	II: 476 DVV63WP) (POPULUS DELTOIDES		POPULUS DELTOIDES POLLEN	S	0.0029 g in 1 mL
ULMUS AMERICANA POLLEN (UNII: a UNII:89BAT511BD)	89BAT511BD) (ULMUS AMERICANA POLL	EN -	ULMUS AMERICANA POLLEN		0.0029 g in 1 mL
PLATANUS OCCIDENTALIS POLLEN OCCIDENTALIS POLLEN - UNII:E03U11			PLATANUS OCCIDENTALIS POLI	LEN	0.0029 g in 1 mL
JUGLANS NIGRA POLLEN (UNII: 1BV UNII:1BV28146ZR)	28 146 ZR) (JUGLANS NIGRA POLLEN -		JUGLANS NIGRA POL	LEN	0.0029 g in 1 mL
PLANTAGO LANCEOLATA POLLEN LANCEOLATA POLLEN - UNII:DO87T1			PLANTAGO LANCEO POLLEN	LATA	0.0029 g in 1 mL
BASSIA SCOPARIA POLLEN (UNII: 07 UNII:07A108ZKW5)	7A108ZKW5) (BASSIA SCOPARIA POLLEN	-	BASSIA SCOPARIA POLLEN		0.0029 g in 1 mL
CHENOPODIUM ALBUM POLLEN (U POLLEN - UNII:098LKX5NCN)	NII: 098LKX5NCN) (CHENOPODIUM ALBU	М	CHENOPODIUM ALBU POLLEN	UM	0.0029 g in 1 mL
AMARANTHUS RETROFLEXUS POL RETROFLEXUS POLLEN - UNII:73B14P.	L EN (UNII: 73B14PX5FW) (AMARANTHUS X5FW)		AMARANTHUS RETROFLEXUS POLL	EN	0.0029 g in 1 mL
SALSOLA KALI POLLEN (UNII: 2MH1 UNII:2MH135KC6G)	35KC6G) (SALSOLA KALI POLLEN -		SALSOLA KALI POLL	LEN	0.0029 g in 1 mL
AMBROSIA TRIFIDA POLLEN (UNII: UNII:KU1V1898XX)	KU1V1898XX) (AMBROSIA TRIFIDA POLLI	EN -	AMBROSIA TRIFIDA POLLEN		0.00145 g in 1 mL
AMBROSIA ARTEMISIIFOLIA POLL ARTEMISIIFOLIA POLLEN - UNII:K20 Y8			AMBROSIA ARTEMISIIFOLIA POL	LEN	0.00145 g in 1 mL
CYCLACHAENA XANTHIFOLIA POL XANTHIFOLIA POLLEN - UNII:V80TPZ(LEN (UNII: V80TPZ0T6J) (CYCLACHAENA DT6J)		CYCLACHAENA XANTHIFOLIA POLLE	EN	0.00145 g in 1 mL
IVA ANNUA POLLEN (UNII: Y2U5S5PF	22) (IVA ANNUA POLLEN - UNII:Y2U5S5PF	22)	IVA ANNUA POLLEN		0.00145 g in 1 mL
QUERCUS VIRGINIANA POLLEN (UN POLLEN - UNII:8KDG09A4GO)	III: 8KDG09A4GO) (QUERCUS VIRGINIANA	L	QUERCUS VIRGINIAN POLLEN	JA	0.00097 g in 1 mL
Q UERCUS RUBRA POLLEN (UNII: SV UNII:SVW19ET93C)	W19ET93C) (QUERCUS RUBRA POLLEN -		QUERCUS RUBRA PO	DLLEN	0.00097 g in 1 mL
Q UERCUS ALBA POLLEN (UNII: Z4Y9 UNII:Z4Y9ZSV4KK)	9ZSV4KK) (QUERCUS ALBA POLLEN -		QUERCUS ALBA POL	LEN	0.00097 g in 1 mL
	38QUQ7861) (ACER SACCHARUM POLLE	N -	ACER SACCHARUM POLLEN		0.00097 g in 1 mL
ACER RUBRUM POLLEN (UNII: 700NI UNII:700NK45C76)	K45C76) (ACER RUBRUM POLLEN -		ACER RUBRUM POLL	EN	0.00097 g in 1 mL
ACER SACCHARINUM POLLEN (UNII UNII:95447163DG)	: 95447163DG) (ACER SACCHARINUM POL	LEN -	ACER SACCHARINUM POLLEN	4	0.00097 g in 1 mL
BETULA LENTA POLLEN (UNII: JQ5H UNII:JQ5HI5004M)	15004M) (BETULA LENTA POLLEN -		BETULA LENTA POL	LEN	0.00048 g in 1 mL

- UNII:3538 FNV8 AY)			POLLEN		in 1 mL
BETULA NIGRA POLLE UNII:93963RFO1P)	EN (UNII: 93963RFO1P) (BETULA NIGRA PO	DLLEN -	BETULA NI	GRA POLLEN	0.00048 g in 1 mL
	TULA OCCIDENTALIS POLLEN (UNII: R889N2L976) (BETULA OCCIDENTALIS BETULA OCCIDI LLEN - UNII:R889N2L976) POLLEN				0.00048 g in 1 mL
BETULA POPULIFOLI POLLEN - UNII:23H70 FYJ	OPULIFOLIA POLLEN (UNII: 23H70 FYJ5U) (BETULA POPULIFOLIABETULA POPULIFUNII:23H70 FYJ5U)POLLEN			PULIFOLIA	0.00048 g in 1 mL
	JLA ALLEGHANIENSIS POLLEN (UNII: 3R393IX840) (BETULA GHANIENSIS POLLEN - UNII:3R393IX840) BETULA ALLEGH POLLEN			LEGHANIENS	IS 0.00048 g in 1 mL
Inactive Ingredien	ts				
	Ingredient Name			5	Strength
GLYCERIN (UNII: PDC6	A3C0OX)				
SODIUM CHLORIDE (U	NII: 451W47IQ8X)				
SODIUM BICARBONAT	E (UNII: 8MDF5V39QO)				
WATER (UNII: 059QF0K	O0R)				
PHENOL (UNII: 339NCG	44TV)				
Packaging					
# Item Code	Package Description	Marke	ting Start Date	Marketin	ig End Date
1 NDC:49288-0818-3	10 mL in 1 VIAL, MULTI-DOSE				
Marketing Info	rmation				
Marketing Category	Application Number or Monograph	Citation	Marketing Start D	Date Marke	ting End Date
BLA	BLA102223		10/31/1986		

Labeler - Antigen Laboratories, Inc. (030705628)

Registrant - Antigen Laboratories, Inc. (030705628)

Establishment					
Name	Address	ID/FEI	Business Operations		
Antigen Laboratories, Inc.		030705628	manufacture		

Revised: 6/2011

Antigen Laboratories, Inc.