

Product: 583 - Pollens - Flowers, Aster Aster sp.

Recommended Scientific Name Aster, (species to be specified)

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Search Strategy

PubMed: aster allergen; aster allergy; aster immunotherapy; callistephus chinensis ; flower immunotherapy; common name is "china aster".

Google: aster pollen allergy; aster pollen allergy adverse; aster pollen allergen; aster pollen allergen adverse

Nomenclature

According to ITIS, there are 40 varieties, 4 subspecies, and 12 species within the Aster genus. The scientific and common names need to be updated. The Aster genus is found in the Asteraceae family.

Parent Product

583 - Pollens - Flowers, Aster Aster sp.

Published Data

PMID 11526527: A florist with atopic disease who tested positive to aster pollen by skin prick, had positive bronchial challenge, and was categorized as CAP class 2 for specific IgE.

PMIDs 6195862 and 9536405, Two papers used patch test for diagnosis.

PMID 9536405 also used skin prick testing. Results of skin prick and patch testing could not be distinguished.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
583_ Am J Contact Dermat 12-182.pdf	11526527	Uter, W.	2001
583_ Acta Derm Venereol 63-308.pdf	6195862	Hausen, B.M.	1983
583_ Contact Derm-38-140.pdf	9536405	Paulsen, E.	1998

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIB	Category I

Product: 584 - Pollens - Flowers, Chrysanthemum

Recommended Scientific Name Chrysanthemum, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: chrysanthemum allergen; chrysanthemum allergy; chrysanthemum immunotherapy; chrystanthemum desensitization; Dendranthema allergy; Dendranthema immunotherapy; flower pollen allergy

Google: chrysanthemum allergy; chrysanthemum allergy adverse; chrysanthemum allergen; chrysanthemum allergen adverse

Nomenclature

According to ITIS, there are eight species within the Genus Chrysanthemum: C. carinatum, C. cinerariifolium, C. coccineum, C. coronarium, C. frutescens, C. majus, C. X morifolium, C. segetum. The Chrysanthemum genus is found in the Asteraceae family.

Parent Product

584 - Pollens - Flowers, Chrysanthemum

Published Data

PMID 1140856 used a Chrysanthemum pollen mixture for skin prick tests and specific IgE-determinations. Seventeen out of 104 were skin prick test positive to C. pollen mixture.

PMID 15606668 – Six subjects had positive patch test result to Chrysanthemum extract.

PMID 149635 – C. morifolium pollen was extracted using standard methods. The following tests were performed using the prepared extract: scratch and interdermal tests, provocative inhalation tests (4 positive out of 4) and passive transfer (8 positive out of 9 tested).

PMID 10935340 – Patch tests were performed using Chrysanthemum, species undefined.

PMID 9536405 – Compositae-sensitive gardeners and greenhouse workers were evaluated by patch testing using extract of Dendranthema.

PMID 11683829 Dendranthema cultivar and Chrysanthemum (Tanacetum) cinerariifolium extracts were patch tested.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
584_ Int Arch Allergy Appl Immunol-48-800.pdf	1140856	Kuroume, T.	1975
584_ Contact Dermatitis-4-93.pdf	149635	Campolmi, P.	1978
584_ J Derm -27-440.pdf	10935340	Singhal, V.	2000
583_ Contact Derm-38-140.pdf	9536405	Paulsen, E.	1998
584_ Contact Derm-45-197.pdf	11683829	Paulsen, E.	2001
584_ Contact Dermatitis-51-319.pdf	15606668	Sharma, V.K.	2004

<u>Panels:</u>	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 585 - Pollens - Flowers, Cosmos Cosmos bipinnatus

Recommended Common Name Cosmos, Garden

Manufacturers of this Product

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: cosmos allergen; cosmos allergy; cosmos immunotherapy; cosmos bipinnatus; customolide cosmos

Google: cosmos allergy; cosmos allergy adverse; cosmos allergen; cosmos allergen adverse; same search results performed for cosmos bipinnatus

Nomenclature

According to ITIS, the scientific name is Cosmos bipinnatus. The common name is garden cosmos. The scientific name is correct and current. The common name needs to be updated. The Cosmos genus is Asteraceae family.

Parent Product

585 - Pollens - Flowers, Cosmos Cosmos bipinnatus

Published Data

Panel I (pg 3136) reported on a study by Simon (J.Allergy, 22:524-535, 1951) that used passive transfer neutralization technique to demonstrate cross-reactivity between short ragweed, giant ragweed, goldenrod, dandelion, sunflower, and cosmos pollens.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIB	Category I

Product: 586 - Pollens - Flowers, Dahlia Dahlia pinnata x. coccinea

Recommended Scientific Name Dahlia coccinea

Manufacturers of this Product

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: dahlia allergen; dahlia allergy; dahlia immunotherapy; dahlia pinnata; dahlia coccinea

Google: dahlia allergy; dahlia allergy adverse; dahlia allergen; dahlia allergen adverse; same search results performed for dahlia pinnata

Nomenclature

According to ITIS, both Dahlia pinnata and Dahlia coccinea are current scientific name. Dahlia pinnata x. coccinea appears to be a mixture of these two species. The common name of D. coccinea is red dahlia. The common name of D. pinnata is pinnate dahlia and the synonym is D. rosea. The common name is correct and current. The scientific name needs to be updated. The Dahlia genus is found in the Asteraceae family.

Parent Product

586 - Pollens - Flowers, Dahlia Dahlia pinnata x. coccinea

Published Data

PMIDs 3827282, 2149333, and 2805654 used patch testing for diagnosis of Dahlia allergy. These papers used patch testing, so they are not considered supportive of efficacy of this product for the diagnosis of allergic disease by prick or intradermal skin testing.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
586_Arch Dermatol-123-500.pdf	3827282	Guin, J.D.	1987
586_Contact Derm -23-204.pdf	2149333	Sharma, S.C.	1990
586_Contact Derm-21-1.pdf	2805654	Sharma, S.C.	1989

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 587 - Pollens - Flowers, Daisy Chrysanthemum leucanthemum

Recommended Common Name Daisy, Oxeye

Recommended Scientific Name Chrysanthemum vulgare

Manufacturers of this Product

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Search Strategy

PubMed: daisy allergy; daisy allergen; leucanthemum; oxeye daisy; oxeye daisy allergy; oxeye daisy allergen

Google: daisy allergy; daisy allergy adverse; daisy allergen; daisy allergen adverse; same search results performed for Chrysanthemum leucanthemum

Nomenclature

According to ITIS, the current name of Chrysanthemum leucanthemum is Leucanthemum vulgare. The common name is oxeye daisy. The scientific and common names need to be updated. Synonyms are Chrysanthemum leucanthemum, C. leucanthemum var. boecheri, C. leucanthemum var. pinnatifidum, Leucanthemum leucanthemum, and L. vulgare var. pinnatifidum. The Leucanthemum genus is found in the Asteraceae family.

Parent Product

587 - Pollens - Flowers, Daisy Chrysanthemum leucanthemum

Published Data

PMID 9536405: None of the 2 patients had positive patch test results to allergen marguerite (Leucanthemum vulgare). Another marguerite daisy allergen from Argyranthemum frutescens was also tested by patch and skin prick tests.

PMID 9292084 used patch testing.

PMID 11683829: Four out of 60 patients were patch test positive to ox-eye daisy (L. vulgare).

These papers used patch testing, so they are not considered supportive of efficacy of this product for the diagnosis of allergic disease by prick or intradermal skin testing.

PMID 3970585 reported on sensitizing experiments performed in guinea pigs.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
587_ British Journal of Dermatology-137-289.pdf	9292084	wakelin	1997
583_ Contact Derm-38-140.pdf	9536405	Paulsen, E.	1998
587_ Arch Dermatol Res-277-28.pdf	3970585	zeller	1985
584_ Contact Derm-45-197.pdf	11683829	Paulsen, E.	2001

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 588 - Pollens - Flowers, Dandelion Taraxacum officinale

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Dandelion allergy; Dandelion allergen; Dandelion immunotherapy; Taraxacum allergy; Taraxacum allergen; Taraxacum immunotherapy; Taraxacum officinale
Google: Dandelion allergy; Dandelion allergy adverse; Dandelion allergen; Dandelion allergen adverse; same search results performed for Taraxacum officinale

Nomenclature

According to ITIS, the scientific name is Taraxacum officinale (TSN 36213). The common names are blowball, common dandelion, dandelion, and faceclock. The scientific and common names are correct and current. Three subspecies of T. officinale are listed: ceratophorum, officinale, and vulgare. The Taraxacum genus is found in the Asteraceae family.

Parent Product

1101 - Pollens - Weeds and Garden Plants, Dandelion Taraxacum officinale

Related Products

588 - Pollens - Flowers, Dandelion Taraxacum officinale

Published Data

Panel I (pg 3136) reported on a study by Simon (Ref. 63) that used passive transfer neutralization technique to demonstrate cross-reactivity between short ragweed, giant ragweed, goldenrod, dandelion, sunflower, and cosmos pollens.

PMID 8807513: Patient had anaphylaxis reaction to eating pollen. He had positive skin test result to T. officinalis pollen extract and his specific IgE was 1.18 KU/l (class 2).

PMID 479479: Specific IgE antibody assay (RAST) to dandelion extract (Greer Laboratories) was positive in three patients and negative in control subject.

PMID 12974193: A case report of rhinoconjunctivities, asthma, and contact urticaria while handling bird food. Patient was skin prick positive to Taraxacum (no species listed) seed extract. Taraxacum induced a 27% inhibition of specific IgE to the mixed bird food.

PMID 852905: Allergenicity to dandelion pollen was assessed by skin test, RAST, case histories and provocation tests.

PMID 701658 reported on diagnosis of canine atopic disease.

PMID 8766742 uses dandelion plant extracts for diagnosis.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
588_ J Invest Allergol Clin Immunol-6-208.pdf	8807513	Chivato, T.	1996
588_ J Allergy Clin Immunol-64-270.pdf	479479	Cohen, S.H.	1979
588_ Allergy and Asthma Proc-24-265.pdf	12974193	Rodríguez, B.	2003
588_ Int Arch Allergy Appl Immunol-53-450.pdf	852905	Eriksson, N.E.	1977
588_ J Allergy Clin Immunol-62-236.pdf	701658	Halliwell, R.E.	1978
1096_ Allergol.ETImmuno24-116-119.pdf	8766742	Güneser, S.	1996

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category I

Product: 589 - Pollens - Flowers, Honeysuckle Lonicera spp.

Recommended Scientific Name Lonicera, (species to be specified)

Manufacturers of this Product

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: honeysuckle allergen Lonicera; Lonicera allergen; Lonicera allergy; Lonicera immunotherapy; honeysuckle allergy; honeysuckle

Google: honeysuckle allergy; honeysuckle allergy adverse; honeysuckle allergen; honeysuckle allergen adverse; same search results performed for Lonicera

Nomenclature

There are two varieties and thirty-six species of Lonicera listed in ITIS.

Honeysuckle plants are found in Acanthaceae family and Caprifolaceae family. 46/58 species listed on USDA PLANTS Database site belong to Caprifolaceae family and Lonicera genus. The common name for Lonicera has become "honeysuckle". Therefore, Lonicera genus is considered here.

Parent Product

589 - Pollens - Flowers, Honeysuckle Lonicera spp.

Published Data

PMID 8519185 describes allergic reaction to the honeysuckle plant.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
589_Cutis-51-424.pdf	8519185	Webster, R.M.	1993

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 590 - Pollens - Flowers, Marigold Tagetes patula

Recommended Common Name French marigold

Manufacturers of this Product

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Marigold allergy; Marigold allergen; Marigold immunotherapy; Tagetes allergy; Tagetes allergen; Tagetes immunotherapy; Tagetes patula

Google: Marigold allergy; Marigold allergy adverse; Marigold allergen; Marigold allergen adverse; same search results performed for Tagetes patula

Nomenclature

According to ITIS, the scientific name, Tagetes patula, is correct and current. The common name is French marigold. Synonyms are Tagetes corymbosa, T. remotiflora, T. signata, and T. tenuifolia. The Tagetes genus is found in the Asteraceae family.

Parent Product

590 - Pollens - Flowers, Marigold Tagetes patula

Published Data

No supportive data were identified.

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 591 - Pollens - Flowers, Rose Rosa spp.

Recommended Scientific Name Rosa, (species to be specified)

Manufacturers of this Product

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: rose allergy; rose rosa allergy; rose rosa immunotherapy; rose immunotherapy; rose rosa allergen

Google: rose allergy; rose allergy adverse; rose allergen; rose allergen adverse; same search results performed for Rosa

Nomenclature

According to ITIS, there are three varieties and fifty-nine species listed. The Rosa genus is found in the Rosaceae family.

Parent Product

591 - Pollens - Flowers, Rose Rosa spp.

Published Data

PMID 12269941: Sera from 8 of 41 patients were positive to Rosa rugosa pollen extracts. Two were strong positive with RAST class 4 reactions.

PMID 12009072: used rose plant extracts. This manuscript does not address rose pollen.

PMID 15565946: 28 out of 52 workers and 2 out of 30 controls were skin prick test positive to Rosa domescena pollen extract. A controlled bronchial hyperresponsiveness study was performed.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
591_allergy-57-936.pdf	12269941	Demir, A.U.	2002
591_AspacJAll Imm-19-231.pdf	12009072	Unlü, M.	2001
591_AspacJAllImm-22-103.pdf	15565946	Akkaya, A.	2004

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 592 - Pollens - Flowers, Sunflower Helianthus annuus

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: helianthus annuus allergen; helianthus annuus allergy; helianthus annuus immunotherapy; sunflower allergen; sunflower allergy; sunflower immunotherapy; helianthus allergen; helianthus allergy; helianthus immunotherapy
Google: sunflower allergy; sunflower allergy adverse; sunflower allergen; sunflower allergen adverse; same search results performed for Helianthus annuus

Nomenclature

According to ITIS, the scientific name, Helianthus annuus, is correct and current. Common names are annual sunflower, common sunflower, sunflower, and wild sunflower. Synonyms are Helianthus annuus ssp. jaegeri, H. annuus ssp. lenticularis, H. annuus var. lenticularis, H. annuus var. macrocarpus, H. annuus var. texanus, H. aridus, and H. lenticularis. The Helianthus genus is found in the Asteraceae family.

Parent Product

592 - Pollens - Flowers, Sunflower Helianthus annuus

Published Data

Panel I (pg 3136) reported on a study by Simon (J.Allergy, 22:524-535, 1951) that used passive transfer neutralization technique to demonstrate cross-reactivity between short ragweed, giant ragweed, goldenrod, dandelion, sunflower, and cosmos pollens.

PMID 11991286: 23.5% of study were skin prick positive to H. annuus, whereas, only 4.9% of control subjects were skin prick positive to H. annuus.

PMID 7920032: Study subjects were skin prick tested against pollen extracts of Helianthus, Ambrosia, Artemisia, Chrysanthemum, and Taraxacum. In addition conjunctival and bronchial provocation tests to Helianthus was also performed.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
592_ Allergy-57-35.pdf	11991286	Atis, S.	2002
592_ Intl Arch All Immunol-105-297.pdf	7920032	Jiménez, A.	1994

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

Product: 593 - Pollens - Flowers, Sunflower Helianthus spp.

Recommended Scientific Name Helianthus, (species to be specified)

Manufacturers of this Product

- Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)
- ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)
- Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)
- Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed; sunflower allergen; sunflower allergy; sunflower immunotherapy; helianthus allergen; helianthus allergy; helianthus immunotherapy

Google: sunflower allergy; sunflower allergy adverse; sunflower allergen; sunflower allergen adverse; same search results performed for Helianthus

Nomenclature

According to ITIS, there are 67 species listed within the Helianthus genus. This product could be a mixture. Antigen Laboratories lists Helianthus annuus as sunflower seeds. Allergy Labs sells Helianthus mixed species product. The species were not specified in the catalog. AllerMed sells Helianthus annuus. ALK doesn't list either of these extracts.

Parent Product

593 - Pollens - Flowers, Sunflower Helianthus spp.

Published Data

No supportive data were identified.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
592_ Allergy-57-35.pdf	11991286	Atis, S.	2002
592_ Intl Arch All Immunol-105-297.pdf	7920032	Jiménez, A.	1994

Panels:

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none