

# ALLOS

Reference Laboratory

A Service of Hitachi Chemical Diagnostics, Inc.

## Directory of Services

### License and Certification

California  
New York  
CLIA  
Medicare

# TABLE OF CONTENTS

Services.....	Page 2
Supplies.....	Page 2
Contact Information.....	Page 2
Specialized Services & Support.....	Page 2
Billing.....	Page 3
CPT Codes for a Clinical Allergy Practice.....	Page 4
ICD-9 Codes.....	Page 5
Requisition Form.....	Page 6
Collecting, Preparing and Storing Serum.....	Page 7
Shipping Serum Samples.....	Page 8
Turn-Around-Time.....	Page 8
Additional Testing.....	Page 8
Panel List.....	Page 9
36 Allergen Inhalant Panels.....	Pages 10-14
Combination Panels.....	Pages 15-17
Food Panel.....	Page 17
Individual Allergens.....	Page 18
Panel Summary Matrix.....	Page 19
Specific Allergens Reported by Group.....	Page 20

## **SERVICES**

The Allos Reference Laboratory uses the **CLA<sup>®</sup> Allergen-Specific IgE Assay** and the new **OPTIGEN<sup>®</sup> Allergen-Specific IgE Assay**, *in vitro* tests for use in the semi-quantitative determination of circulating allergen-specific IgE concentrations in human serum. The Lab has been an ideal alternative since 1986 for reference laboratories, hospitals, medical groups and private practitioners with no internal testing facilities. A Board-Certified Allergist is available to answer questions relating to our allergy testing services.

Allos Reference Laboratory uses FDA-cleared reagents and procedures and is a participant in the proficiency testing programs offered by the College of American Pathologists and the American Proficiency Institute.

## **SUPPLIES**

Allos Reference Laboratory provides request forms, pre-paid mailers, and serum vials to all of its customers at no charge.

## **CONTACT INFORMATION**

Allos Reference Laboratory service business hours are 8:00 AM to 5:00 PM (PST) Monday through Friday.

Tel: 800 272 6278  
Fax: 650 969 2745  
E-mail: [support@hcdiagnostics.com](mailto:support@hcdiagnostics.com)

## **SPECIALIZED SERVICES AND SUPPORT**

Professional patient reports.

Patient education materials.

Consultation with a Board-Certified Allergist regarding test selection and interpretation of results.

## **BILLING**

Allos Reference Laboratory provides credit to all referring physicians, hospitals and reference laboratories. Monthly, summarized invoice statements are sent to all customers with outstanding balances. Allos Reference Laboratory accepts Visa® and MasterCard® for payment of laboratory services.

### **Direct Client Billing**

- Fill in the patient's name, complete address, date of birth, date of sera collection, telephone number and ICD-9 Code in the space provided.
- Payment is due upon receipt of Invoice Statement.
- Refer to the "Patient Fee Schedule" for pricing.

**Please note: California State Law prohibits the offering of professional courtesy testing.**

### **Patient Pre-pay**

- Fill in the patient's name, complete address, date of birth, date of sera collection, and telephone number in the space provided.
- Payment can be made in one of two ways: 1) In the form of a check/money order payable to "Allos Reference Laboratory," or 2) via Visa or MasterCard. Payment must be included with the specimen. Failure to include payment will delay testing.
- Refer to the "Patient Fee Schedule" for pricing.

### **Insurance/Third Party Billing**

- Fill in the patient's name, complete address, date of birth, date of sera collection, telephone number and ICD-9 code in the space provided.
- Attach a copy of the patient's insurance card(s) to requisition form.
- Include your Physician UPIN number and Physician signature on the request form.
- Refer to the "Patient Fee Schedule" for pricing.

**CPT CODING**

The following CPT Codes have been identified courtesy of the 2011 AMA CPT Code Book. Allos Reference Laboratory is happy to provide this information, but cannot be liable for any misfiled claims.

<u>Description</u>	<u>CPT Code</u>
Collection of venous blood by venipuncture	36415
Handling and/or conveyance of specimen for transfer from the physician's office to a laboratory	99000
Allergen Specific IgE; Quantitative or Semiquantitative, Each Allergen	86003
20 Allergen Panel x 20	
25 Allergen Panel x 25	
36 Allergen Panel x 36	

**ICD-9 DIAGNOSTIC CODING**

It is the physician's responsibility to determine which code to use when billing for specific procedures and services. ICD-9 Diagnostic codes commonly associated with *in vitro* allergy testing are listed as they appear in the 2011 ICD-9-CM Code Book.

**Allergic Rhinitis:**

- 472.0..... Chronic Rhinitis
- 477.8..... Other Allergens, Rhinitis
- 477.0..... Pollen Rhinitis
- 471.0..... Polyps (nasal cavity)
- 471.8..... Polyps (sinuses)
- 474.10..... Tonsil & Adenoid Hypertrophy
- 474.11..... Tonsil / Hypertrophy Alone

**Ear:**

- 382.9..... Otitis Media, Unspecified
- 381.01..... Serious Otitis Media Acute
- 381.10..... Serious Otitis Media Chronic

**Eye:**

- 372.05..... Acute Atopic Conjunctivitis
- 372.14..... Chronic Atopic Conjunctivitis

**Food Anaphylaxis:**

- 995.62..... Crustaceans
- 995.68..... Eggs
- 995.65..... Fish
- 995.66..... Food Additives
- 995.63..... Fruits / Vegetables
- 995.67..... Milk Products
- 995.64..... Nuts / Seeds
- 995.69..... Other Specified Foods: \_\_\_\_\_
- 995.61..... Peanut
- 995.60..... Unspecified
- 995.3..... Unspecified Allergy Rxn.

**Gastroenterology:**

- 789.00..... Abdominal Pain, Unspecified Site
- 789.06..... Abdominal Pain, Epigastric
- 789.07..... Abdominal Pain, Generalized
- 789.09..... Abdominal Pain,  
Other Specific Site / Multiple
- 535.00..... Acute Gastritis (w/out Hemorrhage)
- 558.3..... Allergic Colitis (ID Type)
- 558.9..... Colitis / Gastroenteritis,  
Noninfectious, Unspecified
- 787.9..... Diarrhea

**Gastroenterology (continued):**

- 558.42..... Eosinophilic Colitis
- 530.13..... Eosinophilic Esophagitis
- 535.71..... Eosinophilic Gastritis  
(with Hemorrhage)
- 535.70..... Eosinophilic Gastritis  
(without Hemorrhage)
- 558.41..... Eosinophilic Gastroenteritis
- 530.10..... Esophagitis, Unspecified
- 783.41..... Failure to Thrive
- 783.3..... Feeding Problem
- 530.19..... Gastroesophagitis, Unspecified
- 787.03..... Vomiting Alone
- 536.2..... Vomiting, Persistent

**Respiratory:**

- 493.90..... Asthma, Unspecified
- 493.91..... Asthma, Unspecified w/ Status
- 786.2..... Cough
- 493.00..... Extrinsic Asthma
- 493.01..... Extrinsic Asthma w/ Status
- 786.07..... Wheezing

**Sinus:**

- 461.9..... Acute Unspecified Sinusitis
- 473.9..... Chronic Unspecified Sinusitis
- 461.8..... Pan Acute Sinusitis, Unspecified

**Skin:**

- 995.1..... Angioneurotic Edema
- 691.8..... Atopic Dermatitis
- 693.1..... Dermatitis Due to Food Ingestion
- 692.9..... Dermatitis, Unspecified
- 692.5..... Food Contact Dermatitis
- 698.9..... Pruritus
- 708.9..... Urticaria
- 708.0..... Urticaria Allergic
- 708.1..... Urticaria Idiopathic

**Other:**

- 995.0..... Anaphylactic Shock, Other
- 269.9..... Nutritional Deficiency, Unspecified

# ALLOS

## Reference Laboratory

HITACHI CHEMICAL DIAGNOSTICS, INC.  
630 Clyde Court, Mountain View, CA 94043  
Phone: (800) 272-6278 Fax: (650) 969-2745

For Lab Use Only

Reference #		SS Number		Requesting Physician	
Patient (Last, First, MI)		UPIN#		Provider #	
Address		Physician Signature		Group/Laboratory Name	
City		Address		City	
Sex	Date of Birth / /	Phone ( )	State		Zip
Collection Date		Freeze Date:		Phone #	
		Thaw Date:		Fax #	

**Bill To:**  Insurance (Attach front and back copy of card)  
No Medicaid or Medicare

ICD-9 Code(s)

1.                      2.                      3.                      4.

**Bill To:**  Physician  
 Laboratory  
 Patient Pre-Pay: Include Check or Credit Card only  
Check payable to Allos Reference Laboratory

### Patient Payment Agreement:

I acknowledge that if my insurance denies payment, I agree to be personally and fully responsible for payment of any outstanding balance

**Payments**  Visa®  Master Card®

Card Number

Print Name on Card                      Expiration Date

Signature

\_\_\_\_\_ Signature                      \_\_\_\_\_ Date

Fax Report To: \_\_\_\_\_

Accession #

### IgE Panels

Require 2ml serum per panel\*  
(36 Allergen, Specific IgE Assay)

- 1402 Eastern Combination
- 1418 Moderate Food
- 1404 Northeastern Inhalant
- 1405 Northwestern Inhalant
- 1406 Pediatric Combination
- 1407 Southeastern Inhalant
- 1408 Southern Combination
- 1409 Southwestern Inhalant
- 1410 Western Combination
- 1411 Western Inhalant

### Additional Individual Allergens

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

Specimen for Split Sample Comparison Testing:  
PLEASE INCLUDE YOUR RESULTS WITH THE SERUM SAMPLE

### Order Additional Supplies:

- Kits to MAIL Samples to Allos Labs  
 10     20    Specify # \_\_\_\_\_
- Extra Requisitions: Quantity \_\_\_\_\_

\*Optigen® Universal Specific IgE panel  
Requires only 0.5 ml serum  
(20 Allergen Specific IgE Assays)

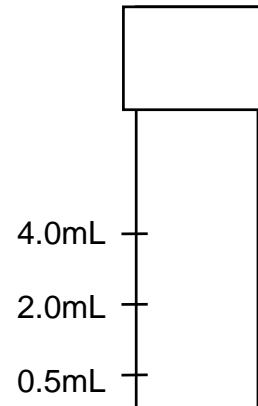
- 3001 Optigen® Universal 20

## **COLLECTING, PREPARING AND STORING SERUM**

All patient specimens should be handled as being potentially biohazardous. Universal precautions should be followed.

1. Draw blood into a 5-10 mL red top or serum separator tube.
  - i. Serum separator tubes (SST) contain an inert material, which separates the serum from the cells when centrifuged.
  - ii. Hemolyzed or lipemic serum may adversely affect the performance of the CLA Allergen Specific IgE Assay. If sample is lipemic or hemolyzed, redraw sample.
2. Allow blood to clot in the original tube for 30 minutes.
3. Centrifuge clotted blood 10-20 minutes at 2k-3k x g in original tube.
4. Transfer serum from the primary tube into an appropriately labeled, clean plastic transport tube. Ensure no red blood cells are transferred. Each CLA® Panel requires a minimum of 2.0 mL of serum. Each OPTIGEN® Panel requires a minimum of 0.5 mL of serum.

5. Label plastic tubes with the following:
  - i. Patient's Name
  - ii. Ordering physician's name
  - iii. Date of collection



6. Complete request form. The following information is required:
  - i. Patient's full name
  - ii. Physician's name
  - iii. Patient's DOB, Sex (optional)
  - iv. Billing Information
  - v. Date serum collected
  - vi. Test or panels requested
7. Store serum sample in refrigerator (2-8° C) if not shipped on day of collection (avoid shipping on Fridays and before holidays). If samples are to be shipped in excess of five days from collection, they should be frozen (-20° +/- 10° C). Freeze and thaw dates should be noted on the requisition form.
8. Samples older than one month will not be accepted for testing.
9. Lipemic, hemolyzed or insufficient samples will not be accepted.



## **SHIPPING SAMPLES**

Allos Reference Laboratory encourages the prevention of specimen leakage and accidental exposure to biological agents. Our mailers, when used properly, comply with current packaging standards for biological products.

1. For proper sample collection and storage, please refer to the “Collecting, Preparing Storing Serum” section on page six.
2. Tighten the lid on the specimen vials. If the specimens are frozen, thaw first, then re-tighten the lids.
3. Wrap the specimen vials in absorbent material.
4. Seal the wrapped vials in the second pocket of the sample bag.
5. Place the folded requisition form in the first pocket of the sample bag.
6. Fold the sample bag and place inside the pre-addressed bubble mailer, seal and drop in the mail.

Overnight shipping is available upon request.

## **TURN AROUND TIMES**

Test results are available approximately three business days after receiving the sample. Results are faxed upon completion of assay and a hard copy of all results is mailed to the requesting provider.

Allos Reference Laboratory closes for approximately ten days over the winter holidays. A specific schedule is provided annually before Thanksgiving.

## **ADDITIONAL TESTING**

In some cases, clients may require additional testing. Please contact Allos Reference Laboratory and provide the patient’s name, accession number and additional tests to be done. All orders must be submitted in writing.

Extra serum is stored for one month after receipt of the sample.

**ALLERGEN PANELS**

36 ALLERGEN INHALANT PANELS	Page
Northeastern Inhalant Panel, 36 Allergens (1404)	9
Northwestern Inhalant Panel, 36 Allergens (1405)	10
Southeastern Inhalant Panel, 36 Allergens (1407)	11
Southwestern Inhalant Panel, 36 Allergens (1409)	12
Western Inhalant Panel, 36 Allergens (1411)	13
COMBINATION PANELS	
Eastern Combination Panel, 36 Allergens (1402)	14
Southern Combination Panel, 36 Allergens (1408)	14
Western Combination Panel, 36 Allergens (1410)	15
Pediatric Combination Panel, 36 Allergens (1406)	15
OPTIGEN <sup>®</sup> Universal 20 Panel, 20 Allergens (3001)	16
FOOD PANEL	
Moderate Food Panel, 25 Allergens (1418)	17

**36 ALLERGEN INHALANT PANELS**

**Northeastern Inhalant Panel, 36 Allergens (1404)**



**Trees**

Alder, White  
Ash, White  
Beech, American  
Birch, White  
Box Elder, Maple  
Cottonwood, Eastern  
Elm, White  
Hickory, Shellbark  
Oak, White  
Pine Mix  
Privet  
Sycamore, American

**Grasses**

Bermuda Grass  
Meadow Fescue  
Perennial Rye  
Orchard Grass/  
Cocksfoot  
Timothy Grass

**Weeds**

Burningbush  
Cocklebur  
English Plantain  
Lamb's Quarters  
Marshelder, Rough  
Mugwort  
Nettle  
Pigweed  
Ragweed, Short  
Sheep Sorrel

**Animal Epidermals**

Cat  
Cockroach Mix  
Dog

**Housedust & Mites**

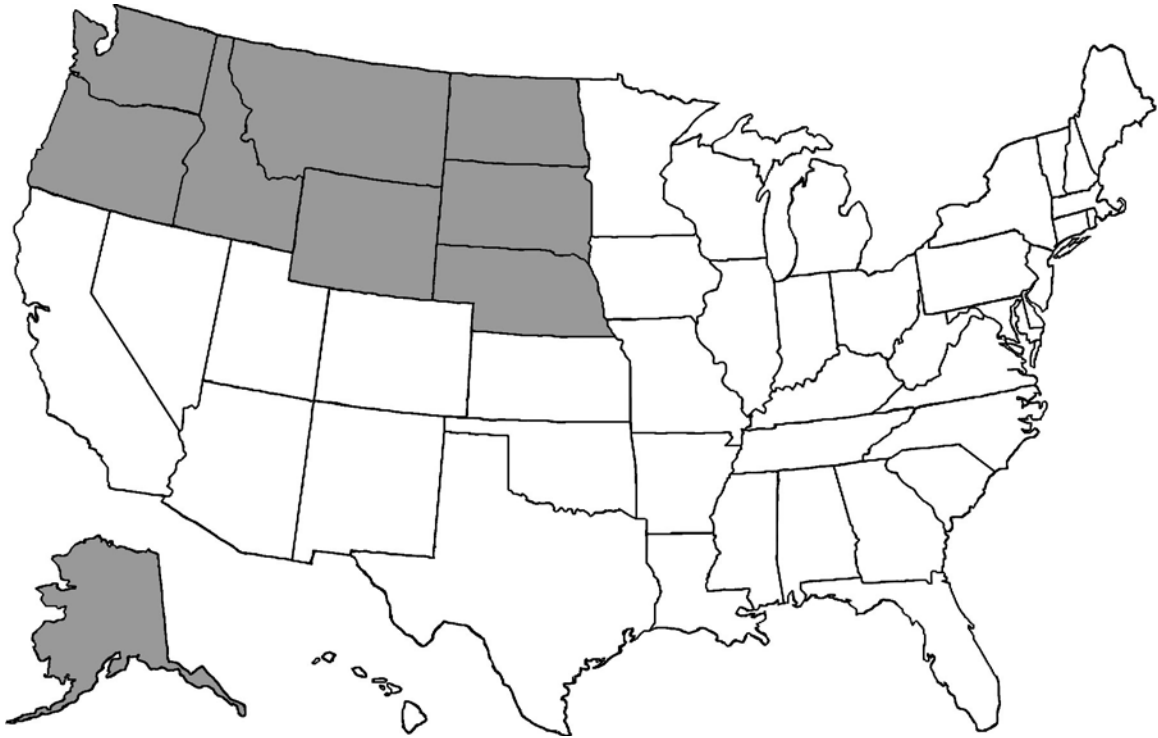
Housedust  
Mite, Farinae

**Molds**

Alternaria  
Aspergillus  
Cladosporium  
Penicillium

**36 ALLERGEN INHALANT PANELS**

**Northwestern Inhalant Panel, 36 Allergens (1405)**



**Trees**

Ash, White  
Aspen, Quaking  
Birch/Alder Mix  
Box Elder, Maple  
Cedar, Mountain  
Cottonwood, Black  
Elm Mix  
Oak Mix  
Pine Mix  
Privet  
Sycamore, American  
Walnut/Hickory/Pecan Mix  
Willow, Arroyo

**Grasses**

Sweet Vernal  
Grass

**Weeds**

Burningbush  
Cocklebur  
English Plantain  
Lamb's Quarters  
Marshelder, Rough  
Nettle  
Pigweed  
Ragweed, False  
Ragweed, Western  
Russian Thistle  
Sagebrush Mix  
Shadscale  
Sheep Sorrel  
Waterhemp

**Animal Epidermals**

Cat  
Dog

**Mites**

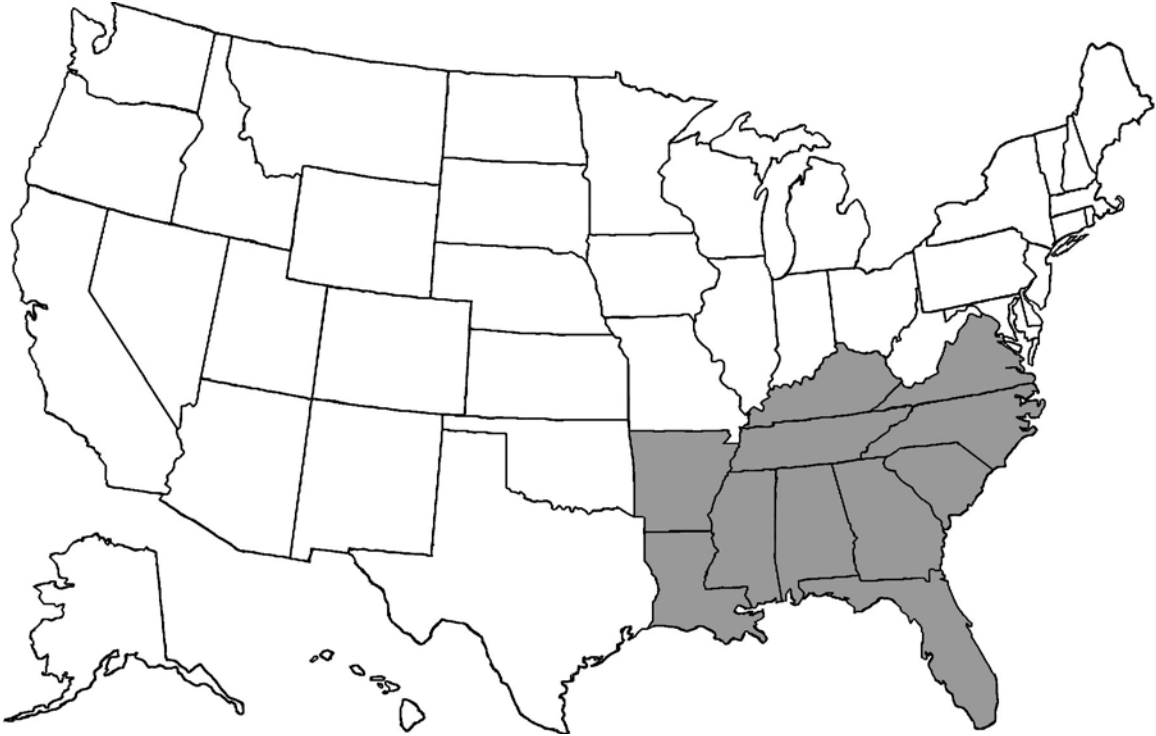
Mite, Farinae

**Molds**

Alternaria  
Aspergillus  
Candida  
Cladosporium  
Penicillium

**36 ALLERGEN INHALANT PANELS**

**Southeastern Inhalant Panel, 36 Allergens (1407)**



**Trees**

Acacia  
Ash, White  
Beech, American  
Birch/Alder Mix  
Box Elder, Maple  
Cedar, Mountain  
Cottonwood, Eastern  
Elm, White  
Melaleuca  
Mulberry Mix  
Oak, White  
Pine Mix  
Privet  
Sycamore, American  
Walnut/Hickory/Pecan Mix

**Grasses**

Bahia Grass  
Bermuda Grass  
Timothy Grass

**Weeds**

Cocklebur  
English Plantain  
Lamb's Quarters  
Marshelder, Rough  
Pigweed  
Ragweed, Short  
Sheep Sorrel  
Waterhemp

**Animal Epidermals**

Cat  
Cockroach Mix  
Dog

**Housedust & Mites**

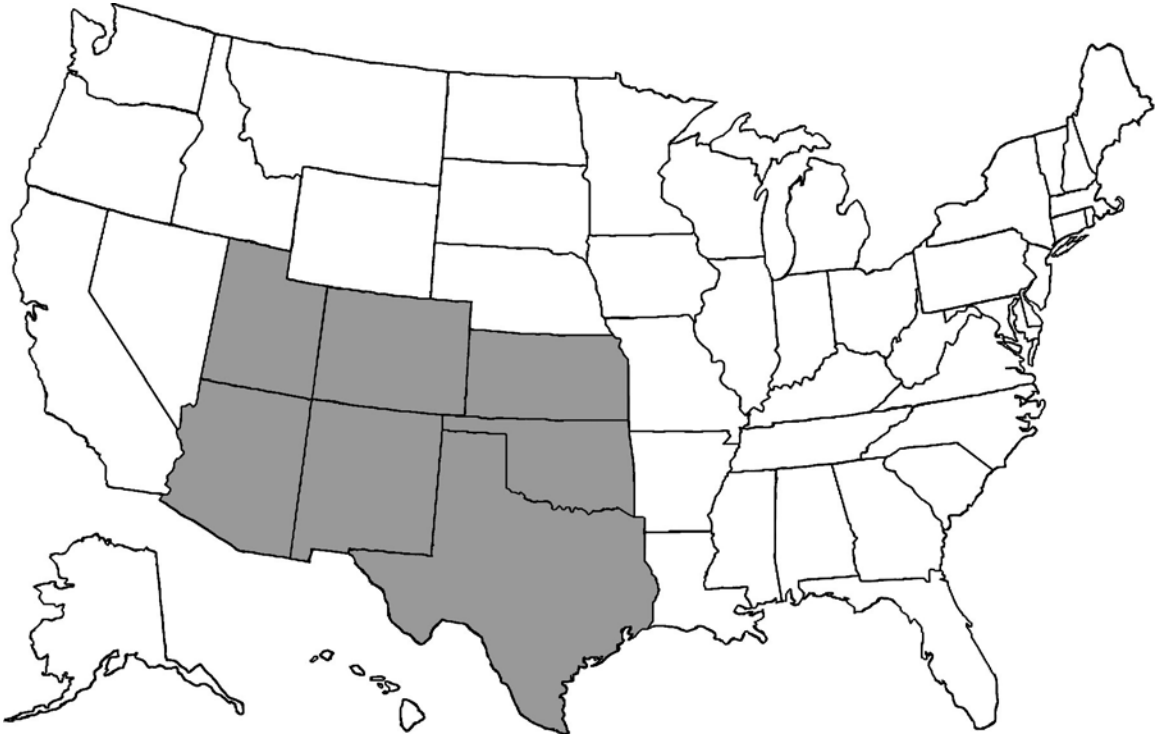
Housedust  
Mite, Farinae

**Molds**

Alternaria  
Aspergillus  
Candida  
Cladosporium  
Penicillium

**36 ALLERGEN INHALANT PANELS**

**Southwestern Inhalant Panel, 36 Allergens (1409)**



**Trees**

Ash, White  
Birch/Alder Mix  
Box Elder, Maple  
Cedar, Mountain  
Cottonwood, Eastern  
Elm, White  
Mesquite  
Mulberry Mix  
Oak Mix  
Olive  
Pine Mix  
Privet  
Sycamore, American  
Walnut/Hickory/Pecan Mix

**Grasses**

Bermuda Grass  
Kentucky Blue  
Grass  
Perennial Rye

**Weeds**

Burningbush  
Cocklebur  
English Plantain  
Lamb's Quarters  
Marshelder, Rough  
Pigweed  
Shadscale  
Ragweed, Short  
Russian Thistle  
Sagebrush Mix  
Sheep Sorrel  
Waterhemp

**Animal Epidermals**

Cat  
Dog

**Housedust & Mites**

Housedust  
Mite, Farinae

**Molds**

Alternaria  
Aspergillus  
Cladosporium

**36 ALLERGEN INHALANT PANELS**

**Western Inhalant Panel, 36 Allergens (1411)**



**Trees**

- Acacia
- Ash, White
- Birch, White
- Box Elder, Maple
- Cedar, Mountain
- Cottonwood, Black
- Elm Mix
- Eucalyptus
- Oak, White
- Olive
- Sycamore, American
- Walnut/Hickory/Pecan Mix
- Willow, Arroyo

**Grasses**

- Bermuda Grass
- Kentucky Blue Grass
- Johnson Grass

**Weeds**

- Burningbush
- Cocklebur
- English Plantain
- Lamb's Quarters
- Mugwort
- Pigweed
- Ragweed, False
- Ragweed, Western
- Russian Thistle
- Sagebrush Mix
- Shadscale
- Sheep Sorrel

**Animal Epidermals**

- Cat
- Cockroach Mix
- Dog

**Mites**

- Mite, Farinae

**Molds**

- Alternaria
- Aspergillus
- Candida
- Cladosporium

**COMBINATION PANELS**

**Eastern Combination Panel, 36 Allergens (1402)**

**Trees**

Ash, White  
Box Elder, Maple  
Cottonwood, Eastern  
Elm, White  
Hickory, Shellbark  
Oak, White

**Grasses**

Bermuda Grass  
Sweet Vernal Grass  
Timothy Grass

**Weeds**

Cocklebur  
English Plantain  
Lamb's Quarters  
Mugwort  
Ragweed, Short

**Animal**

**Epidermals**

Cat  
Cockroach Mix  
Dog

**Housedust &**

**Mites**

Housedust  
Mite, Farinae

**Molds**

Alternaria  
Aspergillus  
Cladosporium  
Penicillium

**Foods**

Almond  
Corn  
Egg, Whole  
Garlic  
Milk  
Orange  
Peanut  
Potato  
Rice  
Shellfish Mix  
Soybean  
Wheat  
Yeast, Baker's

**Southern Combination Panel, 36 Allergens (1408)**

**Trees**

Box Elder, Maple  
Elm Mix  
Melaleuca  
Oak, White  
Pine Mix  
Walnut/Hickory/Pecan Mix

**Grasses**

Bahia Grass  
Bermuda Grass  
Timothy Grass

**Weeds**

English Plantain  
Lamb's Quarters  
Pigweed  
Ragweed, Short  
Sheep Sorrel

**Animal**

**Epidermals**

Cat  
Cockroach Mix  
Dog

**Mites**

Mite, Farinae

**Molds**

Alternaria  
Aspergillus  
Cladosporium  
Penicillium

**Foods**

Almond  
Corn  
Egg, Whole  
Garlic  
Milk  
Orange  
Peanut  
Potato  
Rice  
Shellfish Mix  
Soybean  
Vegetable Mix  
Wheat  
Yeast, Baker's



**COMBINATION PANELS**

**Western Combination Panel, 36 Allergens (1410)**

**Trees**

Acacia  
Cedar, Mountain  
Cottonwood, Black  
Elm Mix  
Oak, White  
Olive  
Walnut/Hickory/Pecan Mix

**Grasses**

Bermuda Grass  
Timothy Grass

**Weeds**

English Plantain  
Lamb's Quarters  
Pigweed  
Ragweed, False  
Sagebrush Mix

**Animal**

**Epidermals**

Cat  
Cockroach Mix  
Dog

**Mites**

Mite, Farinae

**Molds**

Alternaria  
Aspergillus  
Candida  
Cladosporium  
Penicillium

**Foods**

Almond  
Corn  
Egg, Whole  
Garlic  
Milk  
Orange  
Peanut  
Potato  
Rice  
Shellfish Mix  
Soybean  
Wheat  
Yeast, Baker's

**Pediatric Combination Panel, 36 Allergens (1406)**

**Trees**

Box Elder, Maple  
Cedar, Mountain  
Elm Mix  
Oak Mix  
Olive/Privet/Ash Mix  
Walnut/Hickory/Pecan Mix

**Grasses**

Bermuda Grass  
Grass Mix

**Weeds**

Atriplex Mix  
English Plantain  
Lamb's Quarters  
Pigweed  
Ragweed Mix I  
Rumex Mix  
Sagebrush Mix

**Animal**

**Epidermals**

Cat  
Cockroach Mix  
Dog

**Housedust &**

**Mites**

Housedust  
Mite, Farinae

**Molds**

Alternaria  
Aspergillus  
Candida  
Cladosporium  
Penicillium

**Foods**

Corn  
Egg, Whole  
Milk  
Orange  
Peanut  
Rice  
Shellfish Mix  
Soybean  
Tomato  
Wheat  
Yeast, Baker's

**COMBINATION PANELS**

**OPTIGEN® Universal 20 Panel, 20 Allergens (3001)**

**Trees**

Birch, White

**Grasses**

Timothy Grass

**Insect**

Cockroach Mix

**Environmental**

Latex

**Weeds**

Mugwort

Ragweed Mix I

**Animal**

**Epidermals**

Cat

Dog

**Housedust &**

**Mites**

Mite, Farinae

Mite,

Pteronyssinus

**Molds**

Alternaria

Aspergillus

Cladosporium

**Foods**

Codfish

Cow's Milk

Egg White

Peanut

Rice

Soybean

Wheat

**Food Panel**

**Moderate Food Panel, 25 Allergens (1418)**

Almond

Apple

Barley

Bean, White

Beef

Chicken

Chocolate

Corn

Egg, Whole

Garlic

Milk

Oat

Onion Mix

Orange

Peanut

Pork

Potato

Rice

Shellfish Mix

Soybean

Tomato

Tuna

Vegetable Mix

Yeast, Bakers

Wheat

## **INDIVIDUAL ALLERGENS**

Allergens not found in a specific panel may be requested. Please call for pricing of specific allergens and/or the availability of allergens not listed.

### **Animal Epidermals**

Chicken	Duck	Guinea Pig	Mouse	Rat
Cockatiel	Gerbil	Hamster	Parakeet	
Cow	Goose	Horse	Rabbit	

### **Foods**

Please Specify

### **Grasses**

Please Specify

### **Insect Venoms**

Fire Ant Venom      Hymenoptera Panel (Honey Bee, Paper Wasp, White Faced  
& Yellow Hornet, Yellow Jacket)

### **Molds**

Botrytis      Fusarium      Epicoccum      Mucor      Rhizopus

### **Other Pollens / Allergens**

Please Specify

### **Trees**

Please Specify

### **Weeds**

Please Specify

# Allos Reference Laboratory

## DIRECTORY OF LABORATORY SERVICES

Allos Lab Panel Matrix	Eastern Comb.	Moderate Food	NE Inhalant	NW Inhalant	OPTIGEN® U20	Pediatric Comb.	SE Inhalant	Southern Comb.	SW Inhalant	Western Comb.	Western Inhal.		Eastern Comb.	Moderate Food	NE Inhalant	NW Inhalant	OPTIGEN® U20	Pediatric Comb.	SE Inhalant	Southern Comb.	SW Inhalant	Western Comb.	Western Inhal.			
	<b>Animal Epidermals</b>												<b>Trees</b>													
Cat	x		x	x	x	x	x	x	x	x	x	Acacia								x				x	x	
Dog	x		x	x	x	x	x	x	x	x	x	Alder, White			x											
Cockroach Mix*	x		x		x	x	x	x		x	x	Ash, White	x		x	x				x		x			x	
<b>Environmental</b>												Aspen, Quaking				x										
Latex					x							Beech, American			x					x						
<b>Foods</b>												Birch, White			x		x								x	
Almond	x	x						x		x		Birch/Alder Mix*				x				x		x				
Apple		x										Box Elder, Maple	x		x	x				x	x	x	x		x	
Barley		x										Cedar, Mountain				x				x	x		x	x	x	
Bean, White		x										Cottonwood, Black				x								x	x	
Beef		x										Cottonwood, Eastern	x		x					x		x				
Chicken		x										Elm Mix*				x				x		x		x	x	
Chocolate		x										Elm, White	x		x					x		x				
Codfish					x							Eucalyptus													x	
Corn	x	x				x		x		x		Hickory, Shellbark	x		x											
Egg White					x							Melaleuca									x	x				
Egg, Whole	x	x				x		x		x		Mesquite												x		
Garlic	x	x						x		x		Mulberry Mix*									x		x			
Milk	x	x			x	x		x		x		Oak Mix*				x							x			
Oat		x										Oak, White	x		x						x	x		x	x	
Onion Mix*		x										Olive											x	x	x	
Orange	x	x				x		x		x		Olive/Privet/Ash Mix*								x						
Peanut	x	x			x	x		x		x		Pine Mix*				x	x				x	x	x			
Pork		x										Privet			x	x					x		x			
Potato	x	x						x		x		Sycamore, American			x	x					x		x		x	
Rice	x	x			x	x		x		x		Walnut/Hickory/Pecan Mix*					x				x	x	x	x	x	
Shellfish Mix*	x	x				x		x		x		Willow, Arroyo				x									x	
Soybean	x	x			x	x		x		x		<b>Housedust &amp; Mites</b>														
Tomato		x				x						Housedust	x		x					x	x		x			
Tuna		x										Mite, Farinae	x		x	x				x	x	x	x	x	x	
Vegetable Mix*		x						x				Mite, Pteronyssinus								x						
Wheat	x	x			x	x		x		x		<b>Weeds</b>														
Yeast, Baker's	x	x				x		x		x		Atriplex Mix*									x					
<b>Grasses</b>												Burningbush				x	x						x		x	
Bahia Grass								x		x		Cocklebur	x		x	x					x		x		x	
Bermuda Grass	x		x			x		x		x	x	English Plantain	x		x	x					x	x	x	x	x	
Grass Mix*						x						Lamb's Quarters	x		x	x					x	x	x	x	x	
Johnson Grass											x	Marshelder, Rough				x	x				x		x			
Kentucky Blue Grass										x	x	Mugwort	x		x		x								x	
Meadow Fescue												Nettle				x	x									
OrchardGrass/Cocksfoot												Pigweed				x	x				x	x	x	x	x	
Perennial Rye										x		Ragweed Mix I*									x	x				
Sweet Vernal Grass	x				x							Ragweed, Short	x		x						x	x	x			
Timothy Grass	x		x		x			x		x		Ragweed, False					x								x	x
<b>Molds</b>												Ragweed, Western					x								x	
Alternaria	x		x	x	x	x		x		x	x	Rumex Mix*									x					
Aspergillus	x		x	x	x	x		x		x	x	Russian Thistle*					x						x		x	
Candida						x		x			x	Sagebrush Mix*					x						x	x	x	
Cladosporium	x		x	x	x	x		x		x	x	Shadscale											x		x	
Penicillium	x		x	x				x		x		Sheep Sorrel					x	x			x	x	x		x	
												Waterhemp					x						x			

\* Mix based on specific allergens. See Page 20 for the constituents of each.

**Specific Allergens Reported by Group**

The following screens are reported as a mix based on specific allergens within each mix. The constituents of each are listed below. To see which Panel(s) they are located on, see the Panel Matrix on page 19.

**Atriplex Mix**

Lenscale  
Shadscale  
Wingscale

**Elm Mix**

Elm, White  
Chinese Elm  
Fall Blooming Elm  
Hackberry

**Birch/Alder Mix**

Alder, Mountain  
Alder, Speckled  
Alder, White  
Birch, White

**Cockroach Mix**

Cockroach, American  
Cockroach, German

**Grass Mix**

Annual Blue Grass  
Kentucky Blue Grass  
Meadow Fescue  
Orchard Grass/Cocksfoot  
Perennial Rye  
Redtop Grass  
Salt Grass  
Sweet Vernal Grass  
Timothy Grass

**Mulberry Mix**

Red Mulberry  
White Mulberry

**Oak Mix**

California Black Oak  
California Live Oak  
Gambel Oak  
Scrub Oak  
Western White Oak  
White Oak

**Olive/Privet/Ash Mix**

Ash, Arizona  
Ash, White  
Olive  
Privet

**Onion Mix**

White Onion  
Yellow Onion

**Pine Mix**

Austrian Black Pine  
Lodgepole Pine  
Virginia Scrub Pine  
Yellow Ponderosa  
Pine

**Ragweed Mix I**

Ragweed, Giant  
Ragweed, Short

**Rumex Mix**

Curly Dock  
Sheep Sorrel

**Sagebrush Mix**

Coastal Sage  
Mugwort  
Wormwood

**Shellfish Mix**

Clam  
Crab  
Shrimp

**Walnut/Hickory/Pecan Mix**

Bitternut Hickory  
Black Walnut  
English Walnut  
Pecan  
Shellbark Hickory  
Shagbark Hickory  
White Hickory

**Vegetable Mix**

Broccoli  
Pepper, Green  
Tomato  
Zucchini