

PT NAME: KHUSHPINDER KAUR	Gender : Female (Age : 10 Year)	Reg. No: 159783 Barcode: 201804270003
Ref. By Dr.: SELF	Sample Received On: 27-04-2018	Registered On: 27-04-2018
Lab/Hpl.: BABA FARID DIAGNOSTIC	Sample: SERUM	Reported on: 28-04-2018

ALLERGY SCREENING TESTS (BY IMMUNO - EIA)





TEST	RESULT	NORMALS	
		AGE	IgE Level
IgE	66.55 KU/L	<5 Years	5 - 25 KU/L
		5 - 10 Years	20-50 KU/L
		>10 Years	20-100 KU/L
	Normal For All Allergens is	<than 0.35 U/L	

ALLERGEN DETECTED

Food Veg.	SEASAME, CARROT,GROUNDNUT,HAZELNUT
Food Non veg.	NIL
Inhalants	HOUSE DUST, HOUSE DUST MITE, COCKROACH, WOOD DUST, PARTHENIUM, JHONSON GRASS, BERMUDA GRASS
Contact	NIL
Drug	NIL

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FOOD (VEG)

ALLERGEN	हिन्दी नाम	VALUE	ALLERGEN	हिन्दी नाम	VALUE
ALMOND	बादाम	 0.02	ARECANUT	सुपारी	 0.11
BARLEY	जौ	 0.22	CABBAGE	पता गोभी	 0.15
CARROT	गाजर	 + 0.42	CHEESE	पनीर	 0.21
CLOVE	लौंग	 0.33	COFFEE	काँफ़ी	 0.24
CUCUMBER	खीरा	 0.17	DAL ARHAR	दालअरहर	 0.10
DAL MOONG	दालमूंग	 0.15	DATES	खजूर	 0.31
GARLIC	लहसुन	 0.20	GROUNDNUT	मूंगफली	 + 0.50
JAGGERY	गुड़	 0.24	LADY S FINGER	भिंडी	 0.14
MANGO	आम	 0.13	MSG (AJINOMOTO)	अजीनोमोटो	 0.17
NUTMEG	जायफल	 0.13	ORANGE	संतरा	 0.24
PINEAPPLE	अनानास	 0.11	RADISH	मूली	 0.02
SESAME	तिल	 + 0.54	SQUASH	कुम्हड़ा	 0.28
SUNFLOWER	सूरजमुखी	 0.02	TOBACCO	तम्बाकू	 0.14
TURMERIC	gYnh	 0.23	WHEAT		 0.10
ANISEED	सोफ़े	 0.32	BAJARI	बजरी	 0.22
BLACK PEPPER	कालीमिर्च	 0.15	CAPSICUM	शिमलामिर्च	 0.21
CASHEWNUT	काजू	 0.28	CHILLY	मिर्च	 0.02
COCOA	कोको	 0.23	CORIANDER	धिन्धिया	 0.14








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CUMMIN	जौरा		0.02	DAL CHANA	दालचना		0.14
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FOOD (Veg)

ALLERGEN	हिन्दी नाम	VALUE	ALLERGEN	हिन्दी नाम	VALUE
DAL RAJMA	दालराजमा	0.12	EGGS	अंडे	0.14
GINGER	अदरक	 0.23	GUVAVA	अमरूद	 0.05
KATHA	कटो	 0.23	LEMON	निंबू	 0.02
MELON	खरबूज	 0.14	MUSHROOM	मशरूम	 0.23
OAT	जई	 + 0.40	PAPAYA	पपीता	 0.33
PISTA.	पिस्ता	0.14	RICE	चावल	0.22
SOYABEAN	सोयाबीन	 0.31	STRAW BERRY	झरबेर	 0.14
TAMARIND	इमली	 0.31	TOMATOES	टमाटर	 0.05
VINEGAR	सिरका	 0.22	YEAST	खमीर	 0.33
APPLE	सेब	 0.21	BANANA	केला	 0.14
BRINJAL	बैंगल	0.22	CADIMUM	इलायची	0.01
CAULIFLOWER	फूलगोभी	 0.31	CINNAMON	दालचीनी	 0.24
COCONUT	नारियल	 0.02	COTTON SEED	बिनीला	 0.18
CURD	दही	 0.11	DAL MASOOR	दालमसूर	 0.31
DAL URAD	दालउड़द	 0.05	FENUGREEK	मैथी	 0.06
GRAPES	अंगूर	0.23	HONEY	शहद	0.03
LACTOGLOBULIN	लैक्टोग्लोबुलिन	 0.23	MAIZE	मक्का	 0.31
MILK	दूध	 0.20	MUSTARD	सरसों	 0.02

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ONION	प्याज		0.15	PEAS	मटर		0.11
POTATO	आलू		0.02	SALT	नमक		0.13
SPINACH	पालक		0.31	SUGAR	चीनी		0.22
TEA	चाय		0.14	TOOR DAL	तूरदाल		0.15
WALNUT	अखरोट		0.33				

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INHALANTAS

ALLERGEN	हिन्दी नाम	VALUE	ALLERGEN	हिन्दी नाम	VALUE
			ACACIA RABICA	बबूल	0.33
AMARANTHUS	चौलाई	0.18	ASPERGILLUS	ऐस्पेगिलस	0.26
AZADIRECHTA INDICA	नीम	0.09	BRASSICA Campestris	सरसोंकाफूल	0.23
CANNABIS SATIVA	भांगकापौधा	0.33	CAT DANDER	कैट रोष	0.14
CHALK POWDER	चाकपाउडर	0.23	COCKROACH DUST	कॉकरोच	+ 0.50
COTTON FIBERS	कपासफाइबर	0.30	CYNODON DACTYLON	दूब घास	0.21
DANDELION	कुकरौंधा	0.14	EUCALYPTUS	युकलिप्टस	0.33
GOAT DANDER	बकरीको	0.35	HONEY BEE	मधुमक्खी	0.01
HOUSEDUST	घरधूल	+ 0.40	INSECT	कीट	0.33
JOHNSON GRASS	जॉनसनघास	+ 0.65	JUNIPERUS COMMUNIS	जूनीपेरस	0.22
LAWSONIA INERMIS	मेहँदी	0.14	NEUROSPORA SPP	न्यूरोस्पोरा सप	0.22
PENICILLIUM SPP	पेनिसिलियम	0.24	RAGWEED	रेगवीड	0.33
RICINUS COMMUNIS	रिसनस	0.02	SORGHUM VULGARE	बाजरा	0.21
TEA LEAVES	चायको	0.22	WOOD DUST	लकड़ीकाबुरादा	+ 0.56
ADHATODA VASICA	अडूसा	0.33	ARGEMONE MEXICANA	सत्यानाशी	0.22
ASPERGILLUS NIGER	ऐस्पेगिलस नाइजर	0.14	GRAVEL DUST	बजरीधूल	0.33

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BUFFALO DANDER	भैंस की रूसी		0.22	CARICA PAPAYA	पपीतेकापेड़		0.33
CEDRUS DEODARA	देवदार		0.11	CHENOPODIUM ALBUM	बथुआ		0.22
COCUS NUCIFERA	नारियल		0.22	COW DANDER	गायकी		0.14
CYPERUS ROTUNDUS	नागार्मोथा		0.22	DOG DANDER	कुत्ते की रूसी		0.34

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INHALANTAS

ALLERGEN	हिन्दी नाम	VALUE	ALLERGEN	हिन्दी नाम	VALUE
FEATHER DUST	पंखधूल	0.14	HAY DUST	घासधूल	0.02
HORSE DANDER	घोड़ेकेबालों	0.33	HOUSE DUST MITE	घुन	0.43
IPOMOEA FISTULOSA	बेहया	0.18	JOWAR DUST	कीधूल	0.10
JUTE DUSTRTG	जूटधूल	0.33	MOSQUITO	मच्छर	0.02
PAPER DUST	कागजधूल	0.11	PHOENIX Dactylifera	जंगलीबादाम	0.33
RHIZOPUS NIGRICANS	रिड्जोप्स निग्रिकांस	0.22	RYE GRASS	राईघास	0.01
STRAW DUST	स्ट्रॉ इस्ट	0.31	TYPHA ANGUSTATA	गुद	0.10
XANTHIUM Stermarlum	छोटाधतूरा	0.01	ALTERNARIA TENUIS	अल्तेरनेरिया तेनुईस	0.33
ARTEMISIA SCOPARIA	नागदोना	0.01	ASPERGILLUSTAMARIE	एस्पेरिल्लुसतमारी	0.21
BERMUDA GRASS	बरमूडाघास	0.58	CANDIDA ALBICANS	आंत्रीय पथ	0.01
CASSIA FISTULA	राजवृक्ष	0.03	CENCHRUS CILIARIS	बुफलघास	0.22
CLADOSPORIUM HERB	क्लैडोस्पोरियम हर्ब	0.11	COTTON DUST	कपासधूल	0.02
CRICKET	क्रिकेट	0.11	DAISY	गुलबहार	0.33
ETHYLENE OXIDE	इथिलीन आक्साइड	0.25	FLOUR MILL DUST	आटा धूल	0.02
HOLOPTELEA INT	चिललिब	0.01	HOUSE FLY	मक्की	0.28
IMPERATA Cylindrica	इम्पेटा सिलिन्ड्रिका	0.10	JEERA DUST	जीराधूल	0.12
JULIFLORA	जंगलीबाबुल	0.18	KIGELIA PINNATA	जंगलीखीरे	0.12

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MUGWORT	नागदोना		0.11	PARTHENIUM	पार्थेनियम		+	0.57
PINE	चीड़कापेड़		0.23	RICE DUST	चावलधूल			0.01
SHEEP WOOL	भेड़केबाल		0.31	SUAEDA FRUTICOSA	स्वेडा फ्रुटिकोसा			0.20
WHEAT DUST	कौधूल		0.03	ZEA MAYS	मक्का			0.14

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CONTACTANTS & OTHERS

ALLERGEN	हिन्दी नाम	IMAGE	VALUE	ALLERGEN	हिन्दी नाम	IMAGE	VALUE
ALCOHOL	शराब		0.11	DETERGENT	साफ करनेवाला		0.34
LEATHER	चमड़ा		0.21	NYLON FIBERS	नायलॉन फाइबर		0.33
PLASTIC	प्लास्टिक		0.20	ASH	टैटू		0.11
HAIR DYE	के श रंगना		0.14	LIME STONE	चूनेका		0.24
PAINTS	पेंट्स		0.01	POLYESTER	पॉलिएस्टर		0.22
BONE CEMENT PMMA	हड्डी सीमेंट		0.18	LATEX	लेटेक्स		0.23
NICKEL	निकल		0.11	PERFUME	खुशबू		0.31
POWDER	पाउडर		0.02	SILK	रेशम		0.31
SOAP	साबुन		0.01	CAUSTIC SODA	कास्टिक सोडा		0.10
SMOKE	धूम्रपान		0.08	WOOL MIX	ऊन		0.21
SULFUR	सल्फर		0.23	SMOKING(TOBACCO)	धूम्रपान (ताम्बाकू)		0.14
YARN FIBRE	यार्न फाइबर		0.03				

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Dr. YUGAM CHOPRA
MBBS,MD (Consultant Pathologist)

INTERPRETATION:

<i>RAST CLASS</i>	<i>CONCENTRATION (IU/ml)</i>	<i>IMPRESSION</i>
0	< 0.35	NOT DETECTABLE
1	0.35 – 0.70	LOW
2	0.70 – 3.50	MODERATE
3	3.50 – 17.50	CLEARLY POSITIVE
4	17.50 – 50.00	STRONGLY POSITIVE
5	50.00 – 100.00	VERY STRONG POSITIVE
6	> 100	EXTREMELY POSITIVE

The Worldwide frequency of allergies has increased significantly over the past decades. The term allergy is used for TYPE 1 HYPERSENSITIVITY REACTIONS (IMMEDIATE TYPE REACTIONS). Symptoms generally occur 30-60 mins after contact with allergen.

SYMPTOMS ARE:

- 1.HAY FEVER (RHINITIS)
- 2.CONJUNCTIVITIS
- 3.HIVES (URTICARIA)
- 4.ALLERGIC ASTHAMA
- 5.ANAPHYLACTIC SHOCK (MOST DANGEROUS)

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The allergens causing Type 1 hypersensitivity reactions are mostly protein derived from the natural environment e.g. Plant pollens, animal,hair,food ,mites and insect venom. The characteristics of type 1 allergies is the environment of allergen specific immunoglobins (antibodies) of class E (IgE). Hence the detection of IgE is an important tool of modern allergy diagnostics.

IMPORTANT NOTE FOR DRUG ALLERGY:

- 1.A DRUG ALLERGY IS AN ALLERGY CAUSED BY MEDICATION.
- 2.A PSEUDO ALLERGIC OR ANAPHALACTIOD REACTION, LOOKS LIKE AN ALLERGY DRUG REACTION, BUT IT MAY NOT BE ALLERGY. DRUG CONTAINS MANY DIFFERENT SUBSTANCES LIKE DYES, CHEMICALS WHICH CAN CAUSE ALLERGY LIKE REACTIONS. BUT IT MAY BE DRUG INTOLERANCE OR HYPERSENSITIVITY.
- 3.TRUE DRUG ALLERGY TEST IS IgE MEDIATED REACTION, IT DOES NOT HAPPEN THE FIRST TIME YOU TAKE A MEDICATION, MUCH MORE LIKELY TO OCCUR AFTER YOUR BODY HAS BEEN EXPOSED TO THE MEDICATION AT LEAST ONCE OR MORE, THE FIRST EXPOSURE ALLOWS BODY TO CREATE ANTIBODY AND MEMORY LYMPHOCYTE CELLS FOR THE ANTIGEN.
- 4.A DRUG ALLERGY IS MORE LIKELY TO DEVELOP WITH LARGE DOSES AND EXTENDED DOSES, STUDY SHOWS THAT ONLY 5% TO 10 % OF THESE REACTIONS ARE DUE TO ALLERGY DUE TO MEDICATION.

TECHNOLOGY/METHOD: FOR IN VITRO DIAGNOSIS. THIS IS AN ENZYME IMMUNOASSAY (EIA) ON A NITRO-CELLULOSE MEMBRANE (ENZYME IMMUNOBLOT) FOR THE QUANTITATIVE DETERMINATION OF ALLSTANDARDS*ERGEN SPECIFIC IgE ANTIBODIES IN HUMAN SERUM OR PLASMA.

QUALITY CONTROL:5 STANDARDS *