

<b>PT NAME:</b> HARGUNKIRAT SINGH	<b>Gender :</b> Male   ( <b>Age :</b> 07 Year)	<b>Reg. No:</b> 159933 <b>Barcode:</b> 051804280004
<b>Ref. By Dr.:</b> MALWA LAB (BHATINDA)	<b>Sample Received On:</b> 28-04-2018	<b>Registered On:</b> 28-04-2018
<b>Lab/Hpl.:</b> BATHINDA	<b>Sample:</b> SERUM	<b>Reported on:</b> 29-04-2018

**ALLERGY SCREENING TESTS (BY IMMUNO - EIA )**

TEST	RESULT	NORMALS	
		AGE	IgE Level
IgE	137.4 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**


<b>FOOD VEG:</b>	CARROT,GROUND NUT,RICE, SEASAME, ONION
<b>FOOD NON VEG:</b>	NIL
<b>INHALANTS:</b>	AMARANTHUS, DANDELION, JHONSON GRASS, COCKROACH, HOUSE DUST, DOG DANDER, BERMUDA GRASS
<b>CONTACTS:</b>	NIL
<b>DRUGS:</b>	NIL

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### FOOD (VEG)

ALLERGEN	हिन्दी नाम	VALUE	ALLERGEN	हिन्दी नाम	VALUE
ALMOND	बादाम	0.12	ARECANUT	सुपारी	0.10
BARLEY	जौ	0.22	CABBAGE	पता गोभी	0.22
<b>CARROT</b>	<b>गाजर</b>	<b>0.45</b>	CHEESE	पनीर	0.22
CLOVE	लौंग	0.31	COFFEE	काँफ़ी	0.02
CUCUMBER	खैरा	0.20	DAL ARHAR	दाल अरहर	0.16
DAL MOONG	दाल मूंग	0.03	DATES	खजूर	0.16
GARLIC	लहसुन	0.02	<b>GROUNDNUT</b>	<b>मूंगफली</b>	<b>0.56</b>
JAGGERY	गुड़	0.15	LADY S FINGER	भिंडी	0.01
MANGO	आम	0.23	MSG ( AJINOMOTO)	अजीनोमोटो	0.33
NUTMEG	जायफल	0.14	ORANGE	संतरा	0.23
PINEAPPLE	अनानास	0.32	RADISH	मूली	0.10
<b>SESAME</b>	<b>तिल</b>	<b>0.40</b>	SQUASH	कुम्हड़ा	0.27
SUNFLOWER	सूरजमुखी	0.26	TOBACCO	तम्बाकू	0.23
TURMERIC	gYnh	0.31	WHEAT		0.02
ANISEED	सोफ़े	0.31	BAJARI	बजरी	0.33
BLACK PEPPER	कालीमिर्च	0.11	CAPSICUM	शिमलामिर्च	0.12
CASHEWNUT	काजू	0.23	CHILLY	मिर्च	0.33
COCOA	कोको	0.02	CORIANDER	धिन्ना	0.01








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CUMMIN	जौरा		0.02	DAL CHANA	दाल चना		0.14
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### FOOD (Veg)

ALLERGEN	हिन्दी नाम	VALUE	ALLERGEN	हिन्दी नाम	VALUE
DAL RAJMA	दाल राजमा	0.10	EGGS	अंडे	0.03
GINGER	अदरक	 0.33	GUVAVA	अमरूद	 0.01
KATHA	कत्ते	 0.20	LEMON	निंबू	 0.33
MELON	खरबूज	 0.14	MUSHROOM	मशरूम	 0.35
OAT	जई	 0.01	PAPAYA	पपीता	 0.21
PISTA.	पिस्ता	0.33	<b>RICE</b>	<b>चावल</b>	<b>+</b> <b>0.44</b>
<b>SOYABEAN</b>	<b>सोयाबीन</b>	 <b>+</b> <b>0.59</b>	STRAW BERRY	झरबेर	 0.14
TAMARIND	इमली	 0.23	TOMATOES	टमाटर	 0.03
VINEGAR	सिरका	 0.32	YEAST	खमौर	 0.25
APPLE	सेब	 0.14	BANANA	के ला	 0.22
BRINJAL	बेंगन	0.31	CADIMUM	इलायची	0.01
CAULIFLOWER	फू लगेभी	 0.33	CINNAMON	दालचीनी	 0.25
COCONUT	नारियल	 0.14	COTTON SEED	बिनोला	 0.11
CURD	दही	 0.23	DAL MASOOR	दाल मसूर	 0.35
DAL URAD	दाल उड़द	 0.02	FENUGREEK	मेथी	 0.11
GRAPES	अंगूर	0.22	HONEY	शहद	0.33
LACTOGLOBULIN	लैक्टोग्लोब्युलिन	 0.02	MAIZE	मक्का	 0.31
MILK	दूध	 0.24	MUSTARD	सरसों	 0.33

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<b>ONION</b>	प्याज	 +	<b>0.42</b>	PEAS	मटर		0.20
POTATO	आलू		0.03	SALT	नमक		0.05
SPINACH	पालक		0.12	SUGAR	चीनी		0.33
TEA	चाय		0.01	TOOR DAL	तूर दाल		0.23
WALNUT	अखरोट		0.32				

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### INHALANTAS


























ALLERGEN	हिन्दी नाम	VALUE	ALLERGEN	हिन्दी नाम	VALUE
			ACACIA RABICA	बबूल	0.20
<b>AMARANTHUS</b>	<b>चोलाई</b>	<b>+</b> <b>0.39</b>	ASPERGILLUS	ऐस्पेर्गिल्लस	0.14
AZADIRECHTA INDICA	नीम	0.31	BRASSICA Campestris	सरसों का फूल	0.23
CANNABIS SATIVA	भांग का पौधा	0.02	CAT DANDER	केट रोष	0.01
CHALK POWDER	चाक पाउडर	0.31	<b>COCKROACH DUST</b>	<b>कॉकरोच</b>	<b>+</b> <b>0.60</b>
COTTON FIBERS	कपास फाइबर	0.30	CYNODON DACTYLON	दूब घास	0.14
<b>DANDELION</b>	<b>कटु करींधा</b>	<b>+</b> <b>0.43</b>	EUCALYPTUS	युकलिप्टस	0.22
GOAT DANDER	बकरी की	0.14	HONEY BEE	मधुमक्खी	0.02
<b>HOUSEDUST</b>	<b>घर धूल</b>	<b>+</b> <b>0.45</b>	INSECT	कीट	0.14
<b>JOHNSON GRASS</b>	<b>जॉनसन घास</b>	<b>+</b> <b>0.56</b>	JUNIPERUS COMMUNIS	जूनीपेरस	0.33
LAWSONIA INERMIS	मेहेंदी	0.14	NEUROSPORA SPP	न्यूरोस्पोरा सप्प	0.22
PENICILLIUM SPP	पेनिसिलियम	0.11	RAGWEED	रै गवीड	0.21
RICINUS COMMUNIS	रिसनस	0.31	SORGHUM VULGARE	बाजरा	0.14
TEA LEAVES	चाय की	0.31	WOOD DUST	लकड़ी का बुरादा	0.22
ADHATODA VASICA	अडूसा	0.14	ARGEMONE MEXICANA	सत्यानाशी	0.02
ASPERGILLUS NIGER	एरिजलस नाइजर	0.30	GRAVEL DUST	बजरी धूल	0.14

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BUFFALO DANDER	भैंस की रूसी		0.11	CARICA PAPAYA	पपीते का पेड़		0.23
CEDRUS DEODARA	दे वदार		0.33	CHENOPODIUM ALBUM	बथुआ		0.15
COCUS NUCIFERA	नारियल		0.12	COW DANDER	गाय की		0.22
CYPERUS ROTUNDUS	नागार्मोथा		0.18	<b>DOG DANDER</b>	कुत्ते की रूसी	<b>+</b>	<b>0.56</b>

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ALLERGEN	हिन्दी नाम	VALUE	ALLERGEN	हिन्दी नाम	VALUE
FEATHER DUST	पंख धूल	0.01	HAY DUST	घास धूल	0.23
HORSE DANDER	घोड़े के बालों	 0.15	HOUSE DUST MITE	घुन	 0.26
IPOMOEA FISTULOSA	बेहया	 0.21	JOWAR DUST	कौ धूल	 0.15
JUTE DUSTRTG	जूट धूल	 0.31	MOSQUITO	मच्छर	 0.05
PAPER DUST	कागज धूल	 0.23	PHOENIX Dactylifera	जंगलों बादाम	 0.35
RHIZOPUS NIGRICANS	रिहजोप्स निग्रिकान्स	 0.11	RYE GRASS	राई घास	 0.22
STRAW DUST	स्ट्रॉ इस्ट	0.33	TYPHA ANGUSTATA	गुद	0.14
XANTHIUM Stermarlum	छोटा धतूरा	 0.02	ALTERNARIA TENUIS	अल्नेरिया तेनुईस	 0.33
ARTEMISIA SCOPARIA	नागदोना	0.14	ASPERGILLUS TAMARIE	एस्पीगिल्लुसतमारी	 0.23
<b>BERMUDA GRASS</b>	<b>बरमूडा घास</b>	 <b>0.65</b>	CANDIDA ALBICANS	आंत्रीय पथ	 0.21
CASSIA FISTULA	राजवृक्ष	 0.33	CENCHRUS CILIARIS	बुफल घास	 0.35
CLADOSPORIUM HERB	क्लैडोस्पोरीयम हर्बेरम	0.01	COTTON DUST	कपास धूल	0.21
CRICKET	क्रिकेट	 0.33	DAISY	गुलबहार	 0.15
ETHYLENE OXIDE	इथिलीन आक्साइड	 0.01	FLOUR MILL DUST	आटा धूल	 0.22
HOLOPTELEA INT	चिल्लिब	 0.31	HOUSE FLY	मक्की	 0.22
IMPERATA Cylindrica	इम्पेटा सिलिन्ड्रिका	 0.01	JEERA DUST	जौरा धूल	 0.20
JULIFLORA	जंगली बाबुल	0.31	KIGELIA PINNATA	जंगली खीरे	0.22

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MUGWORT	नागदोना		0.19	PARTHENIUM	पार्थेनियम		2.08
PINE	चीड़ का पेड़		0.17	RICE DUST	चावल धूल		0.22
SHEEP WOOL	भेड़ के बाल		0.18	SUAEDA FRUTICOSA	स्वेडा फ्रुटिकोसा		0.02
WHEAT DUST	को धूल		0.33	ZEA MAYS	मक्का		0.24



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### CONTACTANTS & OTHERS

ALLERGEN	हिन्दी नाम	IMAGE	VALUE	ALLERGEN	हिन्दी नाम	IMAGE	VALUE
ALCOHOL	शराब		0.12	DETERGENT	साफ करनेवाला		0.03
LEATHER	चमड़ा		0.21	NYLON FIBERS	नायलॉन फाइबर		0.03
PLASTIC	प्लास्टिक		0.21	ASH	टैटू		0.14
HAIR DYE	के श रं गना		0.22	LIME STONE	चूने का		0.03
PAINTS	पेंट्स		0.11	POLYESTER	पॉलिएस्टर		0.33
BONE CEMENT PMMA	हड्डी सीमेंट		0.14	LATEX	लेटेक्स		0.02
NICKEL	निकल		0.31	PERFUME	खुशबू		0.21
POWDER	पाउडर		0.03	SILK	रे शम		0.05
SOAP	साबुन		0.21	CAUSTIC SODA	कास्टिक सोडा		0.33
SMOKE	धूम्रपान		0.35	WOOL MIX	ऊन		0.02
SULFUR	सल्फर		0.22	SMOKING (TOBACCO)	धूम्रपान (तम्बाकू)		0.20
YARN FIBRE	यार्न फाइबर		0.03				

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### FOOD (NON-VEG)

ALLERGEN	हिन्दी नाम	VALUE	ALLERGEN	हिन्दी नाम	VALUE
BEEF	गाय का मांस	0.31	SHRIMP	दस पांव की मछली	0.02
FISH	मछली	0.06	CHICHEN MEAT	का मांस	0.31
MUTTON	बकरा का मांस	0.13	CRAB	के कड़ा	0.31
PORK	सूअर का मांस	0.14	PRAWN	झींगं ा	0.33

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## DRUGS

AMOXICILLIN	0.11	ASPIRIN	0.02
CIPROFLOXACIN	0.31	DOXYCYCLIN	0.02
INSULIN (HUMAN)	0.01	NIMESULIDE	0.03
OXACILLIN	0.33	HENYLPBUTAZONE	0.15
PYRAZOLONE	0.02	TETRACYCLINE	0.04
TINIDAZOLE	0.12	AMPICILLIN	0.30
BRUFEN	0.33	CLOXACILLIN	0.11
EPINEPHRINE	0.01	KETOPROFEN	0.21
NORFLOXACIN	0.33	PARACETAMOL	0.14
PIROXICAM	0.33	STREPTOMYCIN	0.21
TETRAZIN	0.33	TRIMETHOPRIM	0.31
ARTICAIN	0.02	CEPHALOSPORIN	0.33
DICLOFENAC	0.31	ERYTHROMYCIN	0.02
METAMIZOL	0.10	OFLOXACIN	0.22
PENICILLIN	0.33	PROCAIN	0.14
SULPHA	0.02	THEOPHILLINE	0.31
XYLOCAIN	0.01		



**Dr. YUGAM CHOPRA**  
**MBBS,MD (Consultant Pathologist)**

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**INTERPRETATION:**

<b>RAST CLASS</b>	<b>CONCENTRATION (IU/ml)</b>	<b>IMPRESSION</b>
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)

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 \*