

<b>PT NAME:</b> SANTOSH SINGH	<b>Gender :</b> MALE   ( <b>Age :</b> 1 Year)	<b>Reg. No:</b> 159251 <b>Barcode:</b> 051804250001
<b>Ref. By Dr.:</b> SELF	<b>Sample Received On:</b> 24-04-2018	<b>Registered On:</b> 24-04-2018
<b>Lab/Hpl.:</b> PATIALA LAB (RMP)	<b>Sample:</b> SERUM	<b>Reported on:</b> 27-04-2018

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

TEST	RESULT	NORMALS	
		AGE	IgE Level
IgE	110.6 KU/L	<5 Years	5 - 25 KU/L
		5 - 10 Years	20-50 KU/L
		>10 Years	20-100 KU/L
	<b>Normal For All Allergens is</b>	<b>&lt;than 0.35 U/L</b>	

**ALLERGEN DETECTED**


<b>Food Veg.</b>	LACTOGLOBILIN, COCOA, MILK, GROUNDNUT,
<b>Food Non veg.</b>	NIL
<b>Inhalants</b>	HOUSE DUST, HOUSE DUST MITE, COCKROACH, WOOD DUST, PARTHENIUM, JHONSON GRASS, BERMUDA GRASS
<b>Contact</b>	NIL
<b>Drug</b>	NIL

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### FOOD (VEG)

ALLERGEN	हिन्दी नाम	VALUE	ALLERGEN	हिन्दी नाम	VALUE
ALMOND	बादाम	0.02	ALMOND	बादाम	0.02
BARLEY	जौ	0.22	ARECANUT	सुपारी	0.11
CARROT	गाजर	0.22	CABBAGE	पता गोभी	0.15
CLOVE	लौंग	0.33	CHEESE	पनीर	0.21
CUCUMBER	खीरा	0.17	COFFEE	काँफ़ी	0.24
DAL MOONG	दालमूंग	0.15	DAL ARHAR	दालअरहर	0.10
GARLIC	लहसुन	0.20	DATES	खजूर	0.31
JAGGERY	गुड़	0.24	<b>GROUNDNUT</b>	<b>मूंगफली</b>	<b>0.50</b>
MANGO	आम	0.13	LADY S FINGER	भिंडी	0.14
NUTMEG	जायफल	0.13	MSG ( AJINOMOTO)	अजीनोमोटो	0.17
PINEAPPLE	अनानास	0.11	ORANGE	संतरा	0.24
SESAME	तिल	0.33	RADISH	मूली	0.02
SUNFLOWER	सूरजमुखी	0.02	SQUASH	कुम्हड़ा	0.28
TURMERIC	gYnh	0.23	TOBACCO	तम्बाकू	0.14
ANISEED	सोफ़े	0.32	WHEAT		0.10
BLACK PEPPER	कालीमिर्च	0.15	BAJARI	बजरी	0.22
CASHEWNUT	काजू	0.28	CAPSICUM	शिमलामिर्च	0.21
<b>COCOA</b>	<b>कोको</b>	<b>0.54</b>	CHILLY	मिर्च	0.02
			CORIANDER	धिन्ना	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	मेथी	 0.06
GRAPES	अंगूर	0.23	HONEY	शहद	0.03
<b>LACTOGLOBULIN</b>	<b>लैक्टोग्लोबुलिन</b>	 + <b>0.54</b>	MAIZE	मक्का	 0.31
<b>MILK</b>	<b>दूध</b>	 + <b>0.60</b>	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	ऐस्पेर्गिल्लस	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	<b>COCKROACH DUST</b>	<b>कोंक्रीच</b>	<b>+ 0.50</b>
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
<b>HOUSEDUST</b>	<b>घरधूल</b>	<b>+ 0.40</b>	INSECT	कीट	0.33
<b>JOHNSON GRASS</b>	<b>जॉनसनघास</b>	<b>+ 0.65</b>	JUNIPERUS COMMUNIS	जूनीपेरस	0.22
LAWSONIA INERMIS	मेहंदी	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	<b>WOOD DUST</b>	<b>लकड़ीकाबुरादा</b>	<b>+ 0.56</b>
ADHATODA VASICA	अडूसा	0.33	ARGEMONE MEXICANA	सत्यानाशी	0.22
ASPERGILLUS NIGER	ऐस्पेर्गिल्लस 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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ALLERGEN	हिन्दी नाम	VALUE	ALLERGEN	हिन्दी नाम	VALUE
FEATHER DUST	पंखधूल	0.14	HAY DUST	घासधूल	0.02
HORSE DANDER	घोड़ेकेबालों	0.33	<b>HOUSE DUST MITE</b>	<b>घुन</b>	<b>0.43</b>
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	अल्नेरिया तेनुईस	0.33
ARTEMISIA SCOPARIA	नागदोना	0.01	ASPERGILLUSTAMARIE	एस्पेरिल्लुसतगारी	0.21
<b>BERMUDA GRASS</b>	<b>बरमूडाघास</b>	<b>0.58</b>	CANDIDA ALBICANS	आंत्रीय पथ	0.01
CASSIA FISTULA	राजवृक्ष	0.03	CENCHRUS CILIARIS	बुफलघास	0.22
CLADOSPORIUM HERB	क्लैडोस्पोरियम हर्बम	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	<b>PARTHENIUM</b>	पार्थेनियम		+	<b>0.57</b>
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		VALUE	ALLERGEN	हिन्दी नाम		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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### FOOD (NON-VEG)

ALLERGEN	हिन्दी नाम	VALUE	ALLERGEN	हिन्दी नाम	VALUE
BEEF	गायकामांस	0.335	SHRIMP	दसपांवकीमछली	0.11
FISH	मछली	0.02	CHICHEN MEAT	कामांस	0.14
MUTTON	बकराकामांस	0.33	CRAB	केकड़ा	0.14
PORK	सूअरकामांस	0.02	PRAWN	झींंगा	0.03

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## DRUGS

AMOXICILLIN	0.06	ASPIRIN	0.02
CIPROFLOXACIN	0.21	DOXYCYCLIN	0.28
INSULIN (HUMAN)	0.11	NIMESULIDE	+ 0.40
OXACILLIN	0.33	HENYLPBUTAZONE	0.01
PYRAZOLONE	0.15	TETRACYCLINE	0.22
TINIDAZOLE	0.33	AMPICILLIN	0.15
BRUFEN	0.32	CLOXACILLIN	0.21
EPINEPHRINE	0.35	KETOPROFEN	0.15
NORFLOXACIN	0.22	PARACETAMOL	0.31
PIROXICAM	0.02	STREPTOMYCIN	0.21
TETRAZIN	0.31	TRIMETHOPRIM	0.35
ARTICAIN	0.01	CEPHALOSPORIN	0.21
DICLOFENAC	0.31	ERYTHROMYCIN	0.02
METAMIZOL	0.03	OFLOXACIN	0.21
PENICILLIN	0.23	PROCAIN	0.21
SULPHA	0.01	THEOPHILLINE	0.22
XYLOCAIN	0.33		



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

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**INTERPRETATION:**

RAST CLASS	CONCENTRATION (IU/ml)	IMPRESSION
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 \*