

## MEMORANDUM

Date: 28 December 2023

Re: **New In-house Allergy Testing**

Dear Doctor,

Parkway Laboratories will be commencing Allergy testing with effect from 2 January 2024. Previously, these tests went through Angsana Molecular Diagnostic Laboratory.

The assays are performed on EUROIMMUN EUROBlotOne automated analyser designed for semiquantitative in-vitro determination of Allergen Specific IgE in serum. The tests can be ordered as panels to test for comprehensive inhalation and food allergens.

Below is the list of panels containing optimised combination of relevant allergens enabling the simultaneous determination of specific IgE against the different allergens.

No.	Test Description	New Test Code	Outpatient Price (before GST)	Remarks
1	Atopy Screen Panel (54 allergens)	EA8039	\$420.00	Specialised Test
2	Atopy Screen V Panel (53 allergens)	EV8055	\$420.00	Specialised Test
3	Paediatric Panel (28 allergens)	EP8041	\$294.00	Specialised Test
4	Atopy Basic Panel (20 allergens)	EA8036	\$241.50	Specialised Test
5	Food panel (20 allergens)	EF8034	\$252.00	Specialised Test
6	Inhalation Indoor Allergens (14 allergens)	EI8033	\$189.00	Specialised Test

Please refer to the specific allergens tested in the Appendix attached. There is no change to sample requirements and the existing 7 days turnaround time. These are specialised tests with pricing as indicated above.

The test results for specific immunoglobulin E (sIgE) will be reported with interpretative comment as below:

Concentration (kU/l)	Class	Explanation
$0 \leq \text{sIgE} < 0.35$	0	No specific antibodies detected
$0.35 \leq \text{sIgE} < 0.7$	1	Very weak antibody detection, often no clinical symptoms with an existing sensitisation
$0.7 \leq \text{sIgE} < 3.5$	2	Weak antibody detection, existing sensitization, often with clinical symptoms in upper levels
$3.5 \leq \text{sIgE} < 17.5$	3	Definite antibody detection, clinical symptoms are often present
$17.5 \leq \text{sIgE} < 50$	4	Strong antibody detection, almost always with existing symptoms
$50 \leq \text{sIgE} < 100$	5	Very high antibody titer
$\text{sIgE} \geq 100$	6	Very high antibody titer

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For any enquiries, please contact Parkway Laboratory Services Call Centre (Chatbox via [www.parkwaylabs.com.sg](http://www.parkwaylabs.com.sg), WhatsApp: 9710 4015 or our Hotline: 6278 9188).

A handwritten signature in black ink, appearing to read "Shawn Ng".

Dr Shawn Ng  
Chief Executive Officer  
Parkway Laboratories

A handwritten signature in black ink, appearing to read "Carmen Y".

Dr Yu Chia-Wen Carmen  
Medical Director  
Parkway Laboratories

A handwritten signature in black ink, appearing to read "Leslie Lam".

Dr Leslie Lam  
Deputy Medical Director &  
Consultant Chemical Pathologist  
Parkway Laboratories

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08/21 Company Reg. No.198302251E

## APPENDIX

### Specific Allergens

Category	Allergen name	Allergen Code	Atopy Screen 54 Panel	Atopy Screen V Panel	Paediatric Panel	Atopy Basic Panel	Food Panel	Inhalation Indoor Allergens
		Test Code	EA8039	EV8055	EP8041	EA8036	EF8034	EI8033
Food Of Animal Origin, Egg	Egg white	f1	√	√	√	√	√	
	Egg yolk	f75	√	√	√		√	
Food Of Animal Origin, Fish	Codfish	f3	√	√	√	√	√	
	Sardine	f308		√				
	Tuna	f40		√				
Food Of Animal Origin, Fowl	Chicken	f83		√				
Food Of Animal Origin, Meat	Beef	f27	√	√				
	Mutton/ Lamb	f88	√					
	Pork	f26		√				
Food Of Animal Origin, Milk & Constituents	Cow's milk	f2	√	√	√	√	√	
	Goat's milk	f218		√				
	Alpha-lactalbumin	f76	√	√	√			
	Beta-lactoglobulin	f77	√	√	√			
	Casein	f78	√	√	√			
Food Of Animal Origin, Shellfish	Crab	f23	√				√	
	Shrimp/ Prawn	f24	√	√				
Food Of Plant Origin, Fruits	Apple	f49	√	√	√	√	√	
	Apricot	f237	√				√	
	Kiwi	f84	√				√	
	Lemon	f32		√				
	Orange	f33		√				
	Pineapple	f72		√				
	Strawberry	f44		√				
Tomato	f25	√	√				√	
Food Of Plant Origin, Grains	Barley flour	f6		√				
	Corn	f292		√				
	Gluten	f79		√				
	Oat flour	f7		√				
	Rice	f9	√	√	√	√	√	
	Rye flour	f5	√	√			√	
	Wheat flour	f4	√	√	√	√	√	
Food Of Plant Origin, Legumes	Peanut	f13	√	√	√		√	
	Soybean	f14	√	√	√	√	√	
Food Of Plant Origin, Miscellaneous	Baker's yeast	f45	√	√			√	
	Brewer's yeast	F155		√				
	Chocolate	f105		√				
Food Of Plant Origin, Seeds & Nuts	Almond	f20	√	√			√	
	Hazelnut	f17	√	√	√	√	√	
	Sesame	f10	√					

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Category	Allergen name	Allergen Code	Atopy Screen 54 Panel	Atopy Screen V Panel	Paediatric Panel	Atopy Basic Panel	Food Panel	Inhalation Indoor Allergens
	Test Code		EA8039	EV8055	EP8041	EA8036	EF8034	EI8033
Food Of Plant Origin, Vegetables	Carrot	f31	√		√	√	√	
	Celery	f85	√				√	
	Potato	f35	√		√	√	√	
Epidermal and Animal Proteins	Bovine serum albumin	e204	√		√			
	Cat dander	e1	√	√	√	√		√
	Chicken feathers	e85		√				√
	Dog	e2	√	√	√	√		√
	Horse	e3	√		√	√		
Mites	Blomia tropicalis	d201		√				√
	Derm. farinae	d2	√	√	√			√
	Derm. pteronyssinus	d1	√	√	√	√		√
Moulds and other inhaled allergens	Alternaria alternata	m6	√	√	√	√		√
	Aspergillus fumigatus	m3	√	√	√			√
	Candida albicans	m5		√				√
	Cladosporium herbarum	m2	√	√	√	√		√
	Penicillium notatum	m1	√	√				√
Pollens, Grass	Bermuda grass	g2		√				√
	Cultivated rye	g12	√		√	√		
	Orchard grass	g3	√					
	Sweet vernal grass	g1	√					
	Timothy grass	g6	√		√	√		
Pollens, Tree	Alder	t2	√					
	Birch	t3	√		√	√		
	Cypress	t23	√					
	Hazel	t4	√					
	Oak	t7	√					
Pollens, Weed	Common ragweed	w1	√					
	Dandelion	w8		√				√
	English plantain	w9	√					
	Mugwort	w6	√		√	√		
Inhaled Allergens, Misc.	House dust	h1	√					
Occupational allergens	Latex	u85	√	√				
Insects	Cockroach, American	i100		√				√
	Cockroach, German	i6	√					
	Fire ant	i70		√				
	Mosquito	i71		√				
Venom	Common wasp venom	i3	√	√				
	Honey bee venom	i1	√	√				
<b>Count of Allergens</b>			<b>54</b>	<b>53</b>	<b>28</b>	<b>20</b>	<b>20</b>	<b>14</b>

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**Parkway Laboratory Services Ltd**  
**LABORATORY REQUEST FORM**  
**(EUROIMMUN ALLERGY)**

 Please call: 8278 9188 for specimen collection and enquiry  
 Note: Store specimens at 2-8°C for collection on next working day.

<b>*Doctor's name and Clinic Stamp</b>  <hr/> <div style="display: flex; justify-content: space-between;"> <span>Doctor's name and signature</span> <span>Clinic Stamp</span> </div> <p style="font-size: 8px;">I confirm that I have obtained the consent of the patient to 1) perform the tests requested herein; 2) disclose his/her personal data stated herein to Parkway Laboratory Services Ltd ("PLS") for the purpose of carrying out the tests requested and all other related matters before and after, in accordance with the Parkway Data Privacy Policy (available at <a href="https://www.lnhhealthcare.com/singapore/data-protection-notice">https://www.lnhhealthcare.com/singapore/data-protection-notice</a>). I acknowledge and agree that PLS may at any time upon request from the patient, disclose and release to the patient the patient's personal data, report and specimens. I indemnify PLS for any loss or damage which I may suffer arising from or in connection with the release of the patient's personal data, report and specimens to the patient.</p>	Order Date: <u>DD/MM/YY</u>  *Patient Name: _____  *NRIC/Passport No. _____ Clinic Ref. No. _____  *Gender: M / F *Date of Birth <u>DD/MM/YY</u> *Nationality: _____  Address _____
Collection Date & Time <u>DD/MM/YY</u>  <b>Specimen Type</b> <span style="float: right;"><b>Qty:</b></span> <input type="checkbox"/> Plain / SST _____ <input type="checkbox"/> Serum _____  <small>Guide: Send in 5ml Plain / SST or 1.5ml serum for up to 5 panel tests</small>	<b>Payment: (Please tick)</b> <input type="checkbox"/> Patient to Pay <input type="checkbox"/> Bill clinic (Note: If no tick, laboratory will bill Clinic) <input type="checkbox"/> Bill Insurance: Singlife / PS / Cigna / AIA / GE (pls circle accordingly) <input type="checkbox"/> Others _____ Card / ID / Policy _____  <small>All price are subjected to prevailing GST. *Mandatory fields</small>
<b>Clinical Notes</b> _____ _____ _____	

**COMPREHENSIVE ALLERGY TESTING (Details of allergens on the next page)**

- EA8039 Atopy Screen Panel (54 Allergens)
- EV8055 Atopy Screen V Panel (53 allergens)
- EP8041 Paediatric Panel (28 allergens)
- EA8036 Atopy Basic Panel (20 allergens)
- EA8034 Food Panel (20 allergens)
- EH18033 Inhalation Indoor Allergens (14 allergens)

<b>Phlebotomist use only</b>  <input type="checkbox"/> High fall risk <input type="checkbox"/> Low fall risk	<b>Add test to PLS specimen</b> <input type="checkbox"/> Yes Lab No: _____ <small>(IF AVAILABLE)</small> Date: <u>   </u> / <u>   </u> / <u>   </u> <small>dd mm yy</small> Remarks: _____
<b>Laboratory Locations</b> <input type="checkbox"/> Gleneagles Hospital, 6A Napier Road, Annexe Block #03-33, 8258500* <small>fax 65 6471 3394</small> <input type="checkbox"/> Gleneagles Medical Centre, 6A Napier Road, #02-01, 8258500 <small>fax 65 6471 3394</small> <input type="checkbox"/> Parkway East Hospital, 321 Joo Chiat Place, Level 2, 8427990* <small>fax 65 6345 5053</small> <input type="checkbox"/> Mt. Elizabeth Medical Centre, 3 Mt. Elizabeth, #01-03, 8228510 <small>(Near taxi stand)* fax 65 6887 3938</small> <input type="checkbox"/> Mt. Elizabeth Novena Hospital, 38 Irrawaddy Road, #01-01, 8329563* <small>fax 65 6933 0538</small> <input type="checkbox"/> #*Headquarters/Reference Lab (No blood draw service available here): 2 Aljunied Avenue 1, #04-11 Framework 2 Building 8389977	<b>For Laboratory cashier use only</b>  <div style="border: 1px dashed gray; padding: 5px; text-align: center; width: 80px; margin: 0 auto;">         Please stamp          PAID here       </div>
<b>For PLS use only</b> Date / Time received _____	<b>Strictly for Laboratory use only</b>  <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">   <small>CAP ACCREDITED</small>  <small>COLLEGE of AMERICAN PATHOLOGISTS</small>  <small>accredited by College of American Pathologists</small>  <small>*Parkway Laboratory Services Ltd</small>  <small>accredited by Singapore Accreditation Council</small> </div> <div style="text-align: center;">   <small>Accredited Laboratory</small>  <small>SAC-SINGLAS</small>  <small>LA011602045</small>  <small>LA011602046</small>  <small>LA011602048</small>  <small>LA011602049</small> </div> </div>

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