

To: Participating Physicians and Healthcare Providers

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RE: ***Serum allergy testing***

Allergy testing, previously sent out for evaluation using the ThermoFisher Phadia system, is now available in-house using the same method.

The ImmunoCAP Total IgE fluorescent immunoassay measures the total amount of circulating IgE in human serum. The reference range for total IgE is age-specific and provided with results. Testing for allergen specific IgE can be ordered individually or as one of the panels below. Patients are considered sensitive to an allergen with a result > 0.10 kU/L.

| Allergen Panel-<br>Seafood | Allergen Panel-<br>Stinging Insects | Allergen Panel -<br>Nut |
|----------------------------|-------------------------------------|-------------------------|
| Crab                       | Honey Bee                           | Peanut                  |
| Shrimp                     | Wasp                                | Walnut                  |
| Lobster                    | White Face Hornet                   | Cashew nut              |
| Clam                       | Yellow Face Hornet                  | Brazil nut              |
| Oyster                     | Yellow Jacket                       | Hazel nut               |
| Scallop                    |                                     | Almond                  |
| Fish (cod)                 |                                     | Pistachio               |
| Tuna                       |                                     | Pecan                   |
| Salmon                     |                                     | Coconut                 |
|                            |                                     |                         |

| Allergen Panel-<br>Respiratory Region 1 | Allergen Panel -<br>Adult Food | Allergen Panel-<br>Early Childhood |
|---|--------------------------------|------------------------------------|
| D. pteronyssinus                        | Egg white                      | D. pteronyssinus                   |
| D. farina                               | Egg yolk                       | D. farinae                         |
| Cat dander                              | Milk                           | Cat dander                         |
| Dog dander                              | Wheat                          | Dog dander                         |
| Bermuda grass                           | Tomato                         | Cockroach, German                  |
| Timothy grass                           | Corn                           | Cladosporium herbarum              |
| June (Kentucky Blue) grass              | Peanut                         | Alternaria alternata               |
| Cockroach, German                       | Soybean                        | Egg White                          |
| Penicillium chrysogenum                 | Walnut                         | Egg yolk                           |
| Cladosporium herbarum                   | Fish (cod)                     | Milk                               |
| Aspergillus fumigatus                   | Clam                           | Wheat                              |
| Alternaria alternata                    | Scallop                        | Peanut                             |
| Common silver birch                     | Shrimp                         | Soybean                            |
| Mountain Cedar                          | Tuna                           | Walnut                             |
| Oak tree                                | Salmon                         | Shrimp                             |
| Elm tree                                | Total IgE                      | Fish (cod)                         |
| Box-elder tree                          |                                | Total IgE                          |
| Cottonwood tree                         |                                |                                    |
| White Ash tree                          |                                |                                    |
| Eastern Sycamore tree                   |                                |                                    |
| Mulberry tree                           |                                |                                    |
| Common ragweed                          |                                |                                    |
| Common pigweed                          |                                |                                    |
| Mugwort                                 |                                |                                    |
| Rough Sorrel                            |                                |                                    |
| Lamb's Quarter                          |                                |                                    |
| Total IgE                               |                                |                                    |

Please direct questions to the Special Chemistry Lab at 401-453-7650.