

## ***Certificate of Analysis***

**Catalog Number:** 1007  
**Lot Number:** 208JN09  
**Cell Count:** 7.8 x 10<sup>6</sup>  
**Viability:** 91%

### **Lot specific response to Recall Antigens**

	<u>TNF-<math>\alpha</math></u>	<u>IFN-<math>\gamma</math></u>
<b>CMV antigens:</b>	<b>NEG</b>	<b>NEG</b>
<b>E.coli LPS:</b>	<b>POS</b>	<b>NEG</b>
<b>PHA:</b>	<b>POS</b>	<b>POS</b>
<b>Tetanus toxoid:</b>	<b>NEG</b>	<b>POS</b>

Responses to CMV, *E.coli* LPS and PHA antigens are determined by TNF- $\alpha$  and IFN $\gamma$  assays. Reactivity may be different when other methods are used.

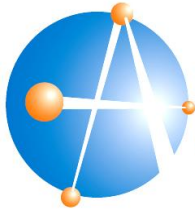
### **Donor Information**

**DonorId** 71  
**Age/Race/Gender** 24yo Caucasian Male

### **Laboratory Test results**

**Total IgE:** 158 kU/l

<b>Allergen</b>	<b>kU/l</b>
<b>Yellow Hornet</b>	11.56
<b>Honey Bee</b>	1.63
<b>Yellow jacket</b>	0.39
<b>Paper wasp</b>	0.82
<b>Alternaria alternate (<i>A. tenuis</i>)</b>	25.77
<b>Common ragweed</b>	0.95

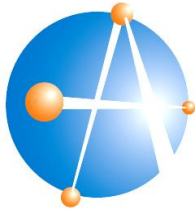


<i>Allergen</i>	<i>kU/l</i>
<b>Kiwi</b>	0.79
<b>Papaya</b>	0.83
<b>Mango</b>	0.87

<b>Specific IgE class</b>	<b>Range</b>	<b>Level of Allergen specific IgE antibody</b>
<b>VI</b>	≥100	Very High
<b>V</b>	50-100	Very High
<b>IV</b>	17.5-50	Very High
<b>III</b>	3.5-17.5	High
<b>II</b>	0.7-3.5	Moderate
<b>I</b>	0.35-0.7	Low
<b>O</b>	<0.35	Absence or undetectable

**Skin Test Results**

- 1+ = Wheal 1-2 mm in diameter (considered negative)
- 2+ = Wheal 3-5 mm in diameter (considered borderline)
- 3+ = Wheal 5-8 mm in diameter (considered positive)
- 4+ = Wheal >8 mm in diameter or >6 mm in diameter with pseudo-pods (considered positive)



**Astarte**  
BIOLOGICS

**Peripheral Blood Mononuclear Cells**  
**Catalog #1007**  
**Lot #208JN09**

<b>Controls</b>		<b>Grasses</b>	
Negative	0	Sweet Vernal and Meadow Fescue	0
Positive (Histaminie)	3+		
<b>Environmentals</b>		<b>Weeds</b>	
D Farinae (dust mites)	0	Western Ragweed	0
Standardized Cat Hair	0	English Plantain	0
Dog Epithelium	0	Common Sagebrush	0
		Lamb's Quarters	0
<b>Trees</b>		<b>Molds</b>	
Red Alder	0	Alternaria	3+
Cottonwood	0	Asp. fumigatus	0
American Elm	0	Cladosporium	0
White birch	0		
Red Cedar	0		

**History**

**Available upon request**

Donors are tested for the blood borne pathogens HIV-1 and 2, Hepatitis B, Hepatitis C and HTLV-1, and are negative. Cells should still be handled as if potentially infectious following biosafety level 2 procedures.

**FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE**

**Astarte Biologics, LLC 866.513.1894 [www.astartebio.com](http://www.astartebio.com)**