Human Neutrophils  
Catalog Number:  1025  
Lot Number:  4380JY19

Certificate of Analysis

Cell count  8.2 million per vial  
Viability  97%  
CD3+  0.9%  
CD19+  0.0%  
CD14+  9.2%  
CD11c+  33.4%  
CD16+  99.8%  
CD66+  63.7%  
CD15+  92.4%  
Sterility  Negative for Bacteria, Yeast, and Fungi

Donor Information

Donor ID  455  
Age  42  
Ethnicity  Caucasian  
Gender  Female  
Height  5' 4"  
Weight  170 lbs.  
ABO Type  O Positive

HLA typing

<table>
<thead>
<tr>
<th>Allele 1</th>
<th>Allele 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLA-A</td>
<td>01</td>
</tr>
<tr>
<td>HLA-B</td>
<td>08</td>
</tr>
<tr>
<td>HLA-C</td>
<td>05</td>
</tr>
<tr>
<td>HLA-DRB1</td>
<td>0301</td>
</tr>
</tbody>
</table>

Note: 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  425-481-4180  astartebio.com
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