Human CD4+ T Cells, Negatively Selected
Catalog Number: 1023
Lot Number: 4254AP19

Certificate of Analysis

Cell count: 10 million per vial
Viability: 92%
CD3+: 95.9%
CD4+: 93.8%
CD8+: 1.6%
CD19+: 0.6%
CD14+: 1.5%
CD11c+: 5.1%
CD16+: 1.8%
CD56+: 2.8%
Sterility: Negative for Bacteria, Yeast, and Fungi

Donor Information

Donor ID: 153
Age: 31
Gender: Female
Race: Caucasian
Height: 5' 7"
Weight: 205 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>02</td>
</tr>
<tr>
<td>HLA-B</td>
<td>15</td>
</tr>
<tr>
<td>HLA-C</td>
<td>03</td>
</tr>
<tr>
<td>HLA-DRB1</td>
<td>13</td>
</tr>
</tbody>
</table>

Note: Donor is CMV positive and Fc gamma RIIIa 153-F/F. She is allergic to lorabid and cats. She also has a history of allergy to dust mites and local pollens.

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. 425-481-4180 astartebio.com
Human CD4+ T Cells, Negatively Selected
Catalog Number: 1023
Lot Number: 4254AP19