More Confidence. More Results.

LIFECODES®
Compatibility Solutions for a Lifetime

LIFECODES®
Single Antigen Class I & Class II

LIFECODES®
C3d Detection

LIFECODES®
LSA™-MIC
The Enhanced LSA assay demonstrates a lower false positive rate—increasing your ability to find acceptable donors and providing new beginnings for more transplant patients. With added coverage and specificity, our test is designed for you, to improve operational efficiencies and workflow.

**LIFECODES**

**Single Antigen**

**Class I & Class II**

**Streamlined Data Analysis**

The MATCH IT! software suite was designed specifically as accessory to assist in the evaluation of test results from the LIFECODES Antibody products.

- Built In Epitope Tail Analysis
- Advanced highlight and overlay tools to help determine antibody specificity
- Multiple Graphing features
- Various Reporting Options and Formats
- Automatic import of data into MATCH IT!® software - allowing for clear and easy results interpretation

“Through advances in our manufacturing processes, the current Immucor single antigen panel contains very little denatured antigen.”

- Bryan Ray, PhD, Immucor

Denatured antigen is the #1 cause of false positive Single Antigen results. It has been demonstrated that Immucor's LSA beads contain "exclusively" the clinically relevant native HLA-I antigen. The minimal amount of denatured antigen on the single antigen beads makes the Immucor LIFECODES® Single Antigen Assay an ideal method for resolving false positives.
LIFECODES C3d Detection

Simplified Detection of Complement Binding Antibody

The LIFECODES C3d Assay provides a measure of the binding and processing of complement to one of its end products - C3d. When combined with our LIFECODES LSA™ Single Antigen Kits, the assay offers a simple method for the detection of complement binding to HLA antibodies. Assessment of C3d fixing as part of prospective HLA monitoring can potentially aid stratification of patients at the highest risk of long-term renal allograft dysfunction. ³

“New findings now show that the presence of C3d-binding donor specific anti-HLA antibodies (DSAs) at the time of AMR strongly predicts kidney allograft loss and may enable accurate risk stratification of these patients.” ⁴

LIFECODES LSA-MIC

Comprehensive MICA Single Antigen Panel

The LSA-MIC kit is designed to detect antibodies directed against MICA antigens. Publications have suggested that anti-MICA antibodies may play a role in the failure of renal allografts.

“MICA antibodies are significantly and independently associated with reduced graft survival in donor graft, providing strong evidence for the involvement of these antibodies with graft rejection.” ⁵

<table>
<thead>
<tr>
<th>MICA*001</th>
<th>MICA*009</th>
<th>MICA*019</th>
<th>MICA*037</th>
</tr>
</thead>
<tbody>
<tr>
<td>MICA*002</td>
<td>MICA*011</td>
<td>MICA*024</td>
<td>MICA*041</td>
</tr>
<tr>
<td>MICA*004</td>
<td>MICA*012</td>
<td>MICA*028</td>
<td>MICA*042</td>
</tr>
<tr>
<td>MICA*005</td>
<td>MICA*015</td>
<td>MICA*029</td>
<td>MICA*043</td>
</tr>
<tr>
<td>MICA*006</td>
<td>MICA*016</td>
<td>MICA*030</td>
<td>MICA*046</td>
</tr>
<tr>
<td>MICA*007</td>
<td>MICA*017</td>
<td>MICA*033</td>
<td>MICA*050</td>
</tr>
<tr>
<td>MICA*008</td>
<td>MICA*018</td>
<td>MICA*036</td>
<td>MICA*051</td>
</tr>
</tbody>
</table>

Highlighted antigens represent unique coverage

---

<table>
<thead>
<tr>
<th>Assay</th>
<th>Quantity</th>
<th>Bead Panel</th>
<th>Control Beads</th>
<th>Catalog #</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIFECODES® LSA Class I Assay</td>
<td>24 tests/kit</td>
<td>96; 30 HLA-A Beads, 48 HLA-B Beads, 18 HLA-C Beads</td>
<td>1 Positive Control Bead &amp; 1 Negative Control Bead</td>
<td>265100/265100R*</td>
</tr>
<tr>
<td>LIFECODES® LSA Class II Assay</td>
<td>24 tests/kit</td>
<td>96; 32 HLA-DRB1 Beads, 6 HLA-DRB345 Beads, 31 HLA-DQA1/B1 Beads, 27 HLA-DPA1/B1 Beads</td>
<td>1 Positive Control Bead &amp; 1 Negative Control Bead</td>
<td>265200/265200R*</td>
</tr>
<tr>
<td>LIFECODES® C3d Detection Assay</td>
<td>24 tests/kit</td>
<td></td>
<td></td>
<td>265100/265100R*</td>
</tr>
<tr>
<td>LIFECODES® LSA MIC Assay</td>
<td>24 tests/kit</td>
<td>28 MICA Beads</td>
<td>1 Positive Control Bead &amp; 1 Negative Control Bead</td>
<td>265200/265200R*</td>
</tr>
</tbody>
</table>

*265100R, 265200R, 265400R, 265300R — FOR RESEARCH USE ONLY.
NOT FOR USE IN DIAGNOSTIC PROCEDURES. 265100, 265200, 265400 — CE MARKED FOR IVD USE

Please contact your Immucor Sales Representative to schedule a LIFCODES assay demonstration.