Candida Real-time PCR Panel
Test Code: 2900

Clinical and Procedure

Clinical Utility
Real-time PCR detection of Candida DNA in blood samples may aid in diagnosis of invasive candidiasis (IC) in high risk populations. This assay’s ability to discriminate between C. albicans and non-C. albicans species, including C. glabrata, C. krusei, and C. parapsilosis, may allow for implementation of species-specific therapies, when necessary.

Procedure
Extraction of Candida spp. DNA from specimen followed by amplification and detection using real-time, qualitative PCR. A full-process internal control is added to each clinical specimen in order to ensure proper extraction and to ensure the PCR reaction was not inhibited. This test has not been cleared or approved for diagnostic use by the U.S. Food and Drug Administration.

Specificity
These multiplex reactions are designed to be specific for C. albicans and/or C. tropicalis; C. glabrata and/or C. krusei and C. parapsilosis complex sp. Several fungal and non-fungal pathogens were tested with the Candida spp. Real-time PCR panel assays. An 'Indeterminate' detection result was determined by the C. glabrata/C. krusei assay with Trichosporon cutaneum, a cutaneous pathogen not known to cause invasive disease. A 'Detected' result was determined by the C. glabrata/C. krusei and C. parapsilosis complex sp. assays with Candida rugosa, a rare but azole-resistant pathogen.

Turnaround Time
Same day (within 8 - 12 hours from receipt of specimen), Monday through Saturday.

Specimen Information

<table>
<thead>
<tr>
<th>Specimen Type</th>
<th>Order Code</th>
<th>CPT Code</th>
<th>NY Approved</th>
<th>Volume</th>
<th>Assay Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>plasma</td>
<td>2901</td>
<td>87481</td>
<td>No</td>
<td>2 mL (min. 0.5 mL)</td>
<td>Detected/Not Detected/Indeterminate</td>
</tr>
</tbody>
</table>

Special Instructions
- Collect 4-5 mL whole blood in plasma separator tube, centrifuge, and freeze.
- Ship on dry ice Monday through Friday.
- Plasma may be stored up to 7 days at 2 to 8°C.
- Plasma may be frozen up to 14 days at -20 to -80°C.

serum

<table>
<thead>
<tr>
<th>Specimen Type</th>
<th>Order Code</th>
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<th>Volume</th>
<th>Assay Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>serum</td>
<td>2910</td>
<td>87481</td>
<td>No</td>
<td>2 mL (min. 0.5 mL)</td>
<td>Detected/Not Detected/Indeterminate</td>
</tr>
</tbody>
</table>

Special Instructions
- Collect 4-5 mL whole blood in SST, centrifuge, and freeze.
- Ship on dry ice Monday through Friday.
- Serum may be stored up to 7 days at 2 to 8°C.
- Serum may be frozen up to 14 days at -20 to -80°C.

Detected/Not Detected/Indeterminate for C. albicans and/or C. tropicalis. Detected/Not Detected/Indeterminate for the C. parapsilosis complex (C. parapsilosis, C. metapsilosis and C. orthopsilosis). Detected/Not Detected/Indeterminate for C. glabrata and/or C. krusei.

Shipping
Ship Monday through Friday. Friday shipments must be labeled for Saturday delivery. All specimens must be labeled with patient's name and collection date. A Viracor Eurofins test requisition form must accompany each specimen. Multiple tests can be run on one specimen. Ship specimens FedEx Priority Overnight to: Viracor Eurofins, 1001 NW Technology Dr, Lee's Summit, MO 64086

**Causes for Rejection**
Plasma or serum received not frozen, whole blood, or specimen types other than those listed.

**Disclaimer**
Specimens are approved for testing in New York only when indicated in the Specimen Information field above.

The CPT codes provided are based on Viracor Eurofins' interpretation of the American Medical Association's Current Procedural Terminology (CPT) codes and are provided for informational purposes only. CPT coding is the sole responsibility of the billing party. Questions regarding coding should be addressed to your local Medicare carrier. Viracor Eurofins assumes no responsibility for billing errors due to reliance on the CPT codes illustrated in this material.

PCR tests are performed pursuant to a license agreement with Roche Molecular Systems, Inc.

**References**


