**a**

<table>
<thead>
<tr>
<th>Day</th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>13</th>
</tr>
</thead>
<tbody>
<tr>
<td>PACT-RC</td>
<td>Fix</td>
<td>A4P0 PACT hydrogel</td>
<td>PACT clearing solution</td>
<td>Wash</td>
<td>Rapi-clear</td>
<td>Block</td>
<td>Primary Antibody</td>
<td>Secondary Antibody &amp; DAPI</td>
<td>17 days</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**b**

i) **Optimal imaging rig**
- Sample squeezed between 2 coverslips
- Easily manipulated for optical illumination on all sides

ii) **PACT-RC imaging rig**
- Sample mounted in RapiClear mounting medium
- Unable to manipulate tissue for optical illumination

---

**c**

**Virgin mammary gland**

- SMA DAPI

**Lactating mammary gland**

- SMA DAPI