Automated Dissection Chip SC

High-throughput Analysis of Yeast-Based Studies

APPLICATIONS

High-Throughput Replicative Lifespan Assay

Genetic Screening for Longevity Associated Genes

Proteomic Screening for Protein Turnover and Relocalization

Nutrient Sensing and Signaling Pathways

Innovative Biochips LLC
202 Industrial Blvd, Suite 703, Sugar Land, TX 77478, USA | +1 832.538.1925 | info@ibiochips.com | www.ibiochips.com
Features of AD-Chip SC

**High-Throughput To Reduce Labor & Time Costs:**
Automated whole-lifespan tracking of over 10,000 single yeast cells for 20 different strains in 3 days

**High-Resolution Imaging:**
Compatible with continuous high-resolution (fluorescent) imaging of single cells during entire aging process

**Maintaining Constant Growth Condition:**
Supply of continuous flow of fresh medium, minimizing variations introduced by operators and environment

**Time-Lapse Image Analysis Software:**
Automatic counting of daughter cells produced by individual mothers (upon request)

---


---

Specifications of AD-Chip SC

<table>
<thead>
<tr>
<th><strong>Material</strong></th>
<th>• PDMS, PMMA, Glass</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dimensions (L x W x H)</strong></td>
<td>• 75 x 25 x 4mm</td>
</tr>
<tr>
<td><strong>Substrate</strong></td>
<td>• Glass coverslip (0.17mm thickness) allowing up to 100X oil objective</td>
</tr>
<tr>
<td><strong>Number of single-cell traps</strong></td>
<td>• Total 18,000 traps (900 traps x 20 separate channels)</td>
</tr>
<tr>
<td><strong>Number of inlets</strong></td>
<td>• 20 media &amp; cells inlets</td>
</tr>
</tbody>
</table>