New state regulations on cannabis and related products are quickly becoming a reality, placing pressure on professionals in the industry to evaluate and choose a microwave digestion system that best supports ICP and ICP-MS analysis.

The Milestone UltraWAVE equipped with powerful Single Reaction Chamber (SRC) technology, is the clear choice. With twice the throughput of traditional systems, the UltraWAVE digests even the most difficult sample types simultaneously, offering new levels of user convenience and cost-efficiency. The UltraWAVE delivers superior sample quality too, ideal for state-mandated metals analysis. The bottom line? Only the Milestone UltraWAVE will meet your needs today and in the future, it’s the high-performance instrument that’s changing the game for microwave digestion.

Only SRC Technology Offers...
- Improved workflow
- Exceptional digestion quality
- Compact bench top footprint
- No batching required
- Lower operating costs

All Digestion Systems Are Not Created Equal
Consider these features before you choose a sample prep instrument for your long-term ICP/ICP-MS analysis needs:

**Throughput:** Delivers twice the throughput of traditional microwave digestion instruments.

**ROI:** Analyses samples at about half the cost of other digestion methods.

**Performance:** Direct temp. and pressure control on every sample.

**Quality:** High-temperature digestion ensures complete recovery of the big 4 elements.

**Convenience:** Runs mixed samples & acid chemistries simultaneously.

**Efficiency:** Disposable vials eliminate cleaning, reduce vessel handling.

**Ease-of-Use:** One digestion method for all sample types.

**Productivity:** Advanced SRC technology ensures long-term leading-edge performance.

### Table 1. The Milestone UltraWAVE compared to other microwave digestion technologies.

<table>
<thead>
<tr>
<th>System</th>
<th>Typical working temperature</th>
<th>Maximum pressure capability</th>
<th>Number of samples per run</th>
<th>Typical Digestion Time (including cooling time)</th>
<th>Productivity</th>
<th>Disposable Vessels</th>
<th>Cost per sample</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sequential systems</td>
<td>200 °C</td>
<td>Approx. 30 bar</td>
<td>One vial per run</td>
<td>10 – 15 minutes for each vial</td>
<td>Low</td>
<td>Yes</td>
<td>$5</td>
</tr>
<tr>
<td>MW Multimode</td>
<td>230 °C</td>
<td>100 bar</td>
<td>15 vessels per run</td>
<td>1h and 30 min for each rotor (batching requires)</td>
<td>Medium</td>
<td>No</td>
<td>$250</td>
</tr>
<tr>
<td>SRC Technology</td>
<td>300 °C</td>
<td>200 bar</td>
<td>15 vials per run</td>
<td>Less than 1h for 15 vials (no batching needed)</td>
<td>High</td>
<td>Yes</td>
<td>$100</td>
</tr>
</tbody>
</table>

Learn more or request an onsite demonstration: 1-866-995-5100