Achieve 3X better throughput and consistent, reproducible results with large volume pipetting now available on the JANUS® automated workstation with VariSpan™ and VersaTip™ technology. Expand new or existing JANUS platforms to accommodate a wide range of disposable tip sizes (20 µL to 5 mL) on the same platform with no hardware compromises.

The 5 mL large volume disposable tip easily reaches the bottom of a standard deep well plate or the bottom of a conical centrifuge tube and is conveniently loaded on the workstation deck using an automation-friendly holder and hanging tip carrier. The ability to multi-dispense aliquots for cell supernatant transfer eliminates the need for extra tips or tip changes.

Large volume dispensing enables the transfer of difficult samples such as whole blood and serum for increased operator safety and faster, more efficient sample processing for many applications.

- Cell culture manipulations
- Growth media and buffer transfers
- DNA purification
- Clinical sample preparation

For more information, please visit www.perkinelmer.com/JANUSlargevolume
Three Simple Steps to Update your JANUS Workstation

**1. Choose a recessed deck configuration**

Choose left, middle and right deck sections based on your JANUS model and throughput needs. Deck flexibility for variable labware heights and disposal tip sizes is possible through a system of recessed decks and shortened VersaTips.

**2. Choose a shortened VersaTip Kit**

Depending upon the VariSpan installed on your system, either 4 or 8 tips are available.

**3. Order 5 mL Large Volume Starter Kit**

- 2 Boxes Clear Tips (2 boxed of each type; 24 tips/box)
- Note: Conductive tips detect liquid volumes to 100 µL.
- Sterile filter and non-sterile formats are also available
- Two 5 mL hanging tip holders
- Performance Guidance Documentation

**JANUS automation offers consistent, reproducible results for large volume dispensing**

<table>
<thead>
<tr>
<th>Volume</th>
<th>250 µL</th>
<th>1000 µL</th>
<th>2500 µL</th>
<th>5000 µL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Precision % CV</td>
<td>1.80</td>
<td>0.66</td>
<td>0.61</td>
<td>0.50</td>
</tr>
<tr>
<td>Accuracy (Trueness) %</td>
<td>99.3</td>
<td>99.9</td>
<td>99.1</td>
<td>99.7</td>
</tr>
</tbody>
</table>

* Typical Expected Performance under controlled conditions - 5000 µL Disposable tip

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