Here you can find the ideal tube for your needs

**SECONDARY Tubes**

- **SIMPLEX**
  - Improve laboratory automation with their versatile application

**VACUETTE®**

980281 rev.01, 10.2014 e

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*Designed for Roche PVT instrumentation (cobas p612)*

**Secondly designed for Beckman Coulter (Olympus) instrumentation (AutoMates 1250 + 2550)*

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**For automated aliquoting from primary to secondary tubes**

### Secondary Tubes

- **SIMPLEX PET**
  - Non-ridged

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Cap</th>
<th>Packaging</th>
</tr>
</thead>
<tbody>
<tr>
<td>459020</td>
<td>Secondary Tube SIMPLEX RD* PET</td>
<td>Orange</td>
<td>Inner 496 pcs. Outer 1984 pcs.</td>
</tr>
<tr>
<td>459021</td>
<td>Secondary Tube SIMPLEX BC** PET</td>
<td>Without Cap</td>
<td>Inner 496 pcs. Outer 1984 pcs.</td>
</tr>
</tbody>
</table>

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**Suitable for MULTIPLEX PET (not for PP)**

#### Snap Caps

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Cap Option</th>
<th>Packaging</th>
</tr>
</thead>
<tbody>
<tr>
<td>371516</td>
<td>Snap Cap, white</td>
<td></td>
<td>Inner 1000 pcs. Outer 5000 pcs.</td>
</tr>
<tr>
<td>371517</td>
<td>Snap Cap, green</td>
<td></td>
<td></td>
</tr>
<tr>
<td>371518</td>
<td>Snap Cap, yellow</td>
<td></td>
<td></td>
</tr>
<tr>
<td>371519</td>
<td>Snap Cap, royal blue</td>
<td></td>
<td></td>
</tr>
<tr>
<td>371520</td>
<td>Snap Cap, red</td>
<td></td>
<td></td>
</tr>
<tr>
<td>371521</td>
<td>Snap Cap, lavender</td>
<td></td>
<td></td>
</tr>
<tr>
<td>371522</td>
<td>Snap Cap, pink</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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**Suitable for MULTIPLEX and SIMPLEX (459021)**

- **Screw Caps**
  - Packaging: Inner 1000 pcs. Outer 5000 pcs.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Cap Color</th>
<th>Packaging</th>
</tr>
</thead>
<tbody>
<tr>
<td>371206</td>
<td>Cap, orange</td>
<td></td>
<td>Inner 1000 pcs. Outer 5000 pcs.</td>
</tr>
</tbody>
</table>

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Other safety screw caps and colours are available on request.

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For further information, please visit our website [www.gbo.com/preanalytics](http://www.gbo.com/preanalytics) or contact us:

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**VACUETTE®**

SECONDARY Tubes SIMPLEX

*Improve laboratory automation with their versatile application*

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**www.gbo.com/preanalytics**

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**Note:**
- *Designed for Roche PVT instrumentation (cobas p612)*
- **Designed for Beckman Coulter (Olympus) instrumentation (AutoMates 1250 + 2550)***
Laboratory automation continues to progress, and the samples turnover is also on the rise. In order to encourage efficient procedures in the laboratory, Greiner Bio-One has developed the new **VACUETTE® SECONDARY Tubes**. The greatest advantage of this new product line is its versatility.

**VACUETTE® SECONDARY Tubes made of PET or PP offer the following advantages:**

- **Shatter-proof**
- **Impermeable**
- **Inert** (tube material does not react with other substances)
- **Versatile**
- **Safe to transport**
- **Cold-resistant** (for freezing)
- **Easy to open**
- **Packaged in a practical and environmentally aware way**

**VACUETTE® SECONDARY Tubes made of PET or PP are perfect for following applications in and out of the laboratory:**

- **For aliquoting**
- **For pooling**
- **For centrifugation** (4400 g for 30 minutes)
- **For storage**
- **For transport**
- **For heating** (PET +50°C - PP +121°C)
- **For freezing** (PP and PET -80°C)

**VACUETTE® SECONDARY Tubes SIMPLEX**

The non-ridged version of the SIMPLEX tubes was developed for application in pre-analytical sample processing systems. They are specially packaged in environmentally friendly cartons. Since they are already packed in alignment, they can be transferred directly to the storage container (plastic or metal box) of the pre-analytical sample processing system. This is especially practical and saves valuable working time; SIMPLEX tubes are manufactured from PET.

For easiest possible handling, the box lid can be removed via the perforations (steps 1 and 3). In addition, the carton features flaps that open horizontally, intended to facilitate pulling the carton out of the storage container (step 5).

**VACUETTE® SECONDARY Tubes MULTIPLEX**

MULTIPLEX tubes are available in sealed plastic bags for manual application. They are available with or without caps in PET or PP plastic.

The PREMIUM tube with safety screw cap is especially suitable for safe sample transport.

**Quality Standards**

When used in combination with screw caps, both SIMPLEX and MULTIPLEX tube types fulfill the IATA guidelines (95 kPa) for secure sample transport and are conform to CLSI Standard AUTO01-A.

**Packaging Types**

Two different material and packaging options guarantee maximum flexibility for all applications. The following overview is a comparison of SIMPLEX and MULTIPLEX.

**Differences**

**SIMPLEX & MULTIPLEX**

<table>
<thead>
<tr>
<th>SIMPLEX</th>
<th>MULTIPLEX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tube type</td>
<td>Non-ridged</td>
</tr>
<tr>
<td>Size</td>
<td>13x75 mm</td>
</tr>
<tr>
<td>Material</td>
<td>PET</td>
</tr>
<tr>
<td>Packaging</td>
<td>packed in box, ready stacked</td>
</tr>
<tr>
<td>Aliquoting</td>
<td>automatic for pre-analytical sample processing systems</td>
</tr>
<tr>
<td>Analyzer</td>
<td>AUTO01-A Standard</td>
</tr>
<tr>
<td>Safety Twist Cap</td>
<td>only for 459021</td>
</tr>
<tr>
<td>Snap Cap</td>
<td>only for 459021</td>
</tr>
</tbody>
</table>

**... Improve laboratory efficiency with their multi-purpose capability**