A.Q.S., RP453/454 Rotary Platers
The RP453/454 Rotary platers are designed for the rapid plating out of bacteria with a minimum of splatter and cross contamination. The RP453, with its 60rpm turntable, is recommended for colony separation techniques, whilst the RP454 rotates at 150rpm and so is ideal for phage typing and antibiotic sensitivity. Both have footswitches that free both hands for processing plates.

Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Speed range, rpm</th>
<th>Overall dimensions (wxdxh), mm</th>
<th>Electrical requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>RP453</td>
<td>60</td>
<td>150x155x100</td>
<td>220V/50Hz</td>
</tr>
<tr>
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<td>150x155x100</td>
<td>220V/50Hz</td>
</tr>
</tbody>
</table>

Cat. No. Description Price
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454-300 RP453 60rpm Rotary plater supplied with footswitch POA
454-301 RP454 150rpm Rotary plater supplied with footswitch POA
454-302 RP453/1 Plain head POA
454-303 RP454/1 Guide arm POA
454-304 RP454/3 Stepped head POA
454-305 RP454/4 Ringed head POA

Spiral Plater DS Plus with Microprocessor
The Spiral® method allows rapid bacterial enumeration while avoiding all or part of the intermediary dilutions. A logarithmically decreasing volume of sample is dispensed on the surface of a rotating Petri dish in an Archimedes spiral. The volume is calibrated and known at every point of the Petri dish. Bacterial concentration is determined by dividing the number of colonies found by the volume dispensed in the same sector of the dish.

All stylus movements are memorised and may be repeated by selecting one of the available programs: total Spiral® plating procedure or broken down into three stages (sample-taking, plating and disinfection), continuous plating, slow or quick plating depending on the viscosity of the sample and double plating. The DS Plus Spiral® Plater is fitted with a supply system for rinsing and disinfecting liquids that is totally autoclavable. It is fitted as standard with a turntable for 90 or 150mm plates.

Applications include food controls, bactericidal kinetics, MIC, pharmaceuticals, cosmetics (challenge test) and more.

- Brushed stainless steel housing for easy cleaning
- 100% automatic sample-taking, disinfecting, rinsing
- 250µl of sample drawn in one cycle for the plating of successive dishes: 5x50µl
- 50 or 100µl of sample dispensed on the same dish for a stronger sample concentration
- Operating mode: automatic, semi-automatic or manual plating mode: standard exponential, slow exponential, proportional, uniform and lawn
- Counting range from 200 to 400,000 cfu/ml for 90mm Petri dishes and up to 4,000,000 for 150mm Petri dishes
- Savings on Petri dishes, agar, pipettes

Specification

| Plate diameters, mm | 90 to 150 |
| Counting range, cfu/ml | 20 to 100 |
| Dispensing time, seconds | 8 |
| Vacuum required, mbar | 60 to 90 |
| Dimensions (lxwxh), mm | 600x280x400 |
| Electrical requirement | 220V/50Hz/150VA |
| Weight, kg | 22 |

Cat. No. Description Price
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454-003 Spiral DS Plus spiral plater POA

The unit is delivered with a box of 1000 beakers, continuous liquid supply assembly, two beaker-holders, a calibrated Spiral® counting grid, a tool kit, a user manual and a photo panel of incubated plates for rapid evaluation of plate contamination.

It is necessary to connect it to a vacuum pump or a bench-top vacuum source.

Accessories

Cat. No. Description Price
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454-004 Vacuum system VP 400. Includes a membrane pump, a vacuum bottle and gauge, and connecting tubes POA