

## Cellspin Specifications

Technical specifications	Cellspin I	Cellspin II
Sample volume per test	<ul style="list-style-type: none"> <li>• Single Cellfunnel: 0.5ml per funnel</li> <li>• Double Cellfunnel: 0.5ml per funnel</li> <li>• ECOFunnel: 6ml per funnel</li> </ul>	<ul style="list-style-type: none"> <li>• Single Cellfunnel: 0.5ml per funnel</li> <li>• Double Cellfunnel: 0.5ml per funnel</li> <li>• ECOFunnel: 6ml per funnel</li> </ul>
Rotors	<ul style="list-style-type: none"> <li>• Removable Cell Clip Rotor:               <ul style="list-style-type: none"> <li>· Standard or closed</li> <li>· Swing-out rotor</li> <li>· Various rotors (see <a href="http://www.tharmac.com">www.tharmac.com</a>)</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Removable Cell Clip Rotor:               <ul style="list-style-type: none"> <li>· Standard or closed</li> <li>· Swing-out rotor</li> <li>· Various rotors (see <a href="http://www.tharmac.com">www.tharmac.com</a>)</li> </ul> </li> </ul>
Output	<ul style="list-style-type: none"> <li>• 6000 rpm* in 100 rpm increments               <ul style="list-style-type: none"> <li>· 208-240V / 50-60Hz</li> <li>· 115V / 60Hz</li> </ul> </li> <li>* up to 2000 rpm with the Cell Clip Rotor</li> </ul>	<ul style="list-style-type: none"> <li>• 15.000 rpm* in 100 rpm increments               <ul style="list-style-type: none"> <li>· 200-240V / 50-60Hz</li> <li>· 115V / 60Hz</li> </ul> </li> <li>* up to 2000 rpm with the Cell Clip Rotor</li> </ul>
Control	<ul style="list-style-type: none"> <li>• Keypad               <ul style="list-style-type: none"> <li>· Precise, fast and easy input of parameters with selection buttons</li> </ul> </li> <li>• Rotational speed RPM               <ul style="list-style-type: none"> <li>· Input in 100 rpm increments start from 500 rpm</li> </ul> </li> <li>• Time t/min               <ul style="list-style-type: none"> <li>· Input in minutes, max. 99 min</li> </ul> </li> <li>• Pulse button               <ul style="list-style-type: none"> <li>· For short centrifuge operations</li> </ul> </li> <li>• RCF button               <ul style="list-style-type: none"> <li>· RCF display during run</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Keypad               <ul style="list-style-type: none"> <li>· Precise, fast and easy input of parameters with selection buttons</li> </ul> </li> <li>• Rotational speed RPM or RFC               <ul style="list-style-type: none"> <li>· Input in 100 rpm increments start from 500 rpm</li> </ul> </li> <li>• Time t/min               <ul style="list-style-type: none"> <li>· Input in minutes, max. 99 min</li> </ul> </li> <li>• Pulse button               <ul style="list-style-type: none"> <li>· For short centrifuge operations</li> </ul> </li> <li>• RCF / RPM selectable</li> <li>• Extremely short start-up and braking times, even for rotors at high rotational speed</li> <li>• Selectable acceleration and braking in 9 steps each</li> </ul>
Operating comfort	<ul style="list-style-type: none"> <li>• Ergonomic operating and information field</li> <li>• Easy rotor replacement with Quickchange</li> </ul>	<ul style="list-style-type: none"> <li>• Powered lid lock</li> <li>• Ergonomic operating and information field</li> <li>• Easy rotor replacement with Quickchange</li> <li>• 10 program storage</li> </ul>
Design	<ul style="list-style-type: none"> <li>• Metal housing and metal lid</li> <li>• Centrifugation chamber made of stainless steel</li> <li>• Flip top closure</li> <li>• Viewing port in the lid</li> </ul>	<ul style="list-style-type: none"> <li>• Metal housing</li> <li>• Centrifugation chamber made of stainless steel</li> <li>• Metal lid</li> <li>• Viewing port in the lid</li> </ul>
Safety	<ul style="list-style-type: none"> <li>• Lid lock and bolt</li> <li>• Unbalance switch-off function</li> <li>• Automatic rotor detection</li> <li>• Emergency release</li> <li>• IEC 1010</li> <li>• Safety alarm that protects users and specimens</li> </ul>	<ul style="list-style-type: none"> <li>• Lid bolt</li> <li>• Emergency release</li> <li>• Motor overheat control</li> <li>• Tank overheat control</li> <li>• Unbalance switch-off function</li> <li>• Safety alarm that protects users and specimens</li> <li>• Lid fall protection</li> <li>• Automatic rotor detection</li> <li>• IEC 1010</li> </ul>
Cooling system (Cellspin II R only)		<ul style="list-style-type: none"> <li>• Infinitely adjustable from -20°C to +40°C</li> <li>• Pre-cooling function (Fast Cool)</li> </ul>
Dimensions (HxWxD)	26x37x43 cm	35x40x70 cm
Weight	approx. 25 kg	approx. 29 kg / cooled 54 kg