

CoolCell Advantage



CoolCell	Alcohol-Filled Container
<p>No alcohol</p> <ul style="list-style-type: none"> •No hazardous fluids •Solid core and insulation design •No pre-cooling required 	<p>Requires 250ml alcohol</p> <ul style="list-style-type: none"> •Replace alcohol every 5 uses (250ml) •Keep track of # of uses •Alcohol degrades slightly each time it's used •Pre-cool alcohol in refrigerator
<p>Very consistent -1°C/min rate</p> <ul style="list-style-type: none"> •All vials have uniform freeze rate <i>every time</i> •Radially symmetric – design enables consistency 	<p>Inconsistent freeze rate</p> <ul style="list-style-type: none"> •Each run is slightly different due to alcohol degradation •Two circles of wells – different freeze rates for each circle
<p>Cost savings</p> <ul style="list-style-type: none"> •No maintenance cost 	<p>~\$338/year maintenance per unit</p> <ul style="list-style-type: none"> •Change alcohol weekly (~\$6/wk) •Dispose haz waste (~\$0.75/wk) •10 units = \$3,380 to use <i>EVERY YEAR</i>
<p>Lid opens easily</p> <ul style="list-style-type: none"> •Not cold to the touch when removing from the -80C freezer 	<p>Screw cap very difficult to remove when frozen</p> <ul style="list-style-type: none"> •Protective glove required when handling frozen unit
<p>Better cell viability</p> <ul style="list-style-type: none"> •See graph on website 	<p>Good cell viability</p>
<p>Ready to use again in 5 minutes</p>	<p>Takes >1 hour for device to return to room temp for re-use</p>
<p>Low impact on freezer</p> <ul style="list-style-type: none"> •1/3 the heat impact on freezer compared to alcohol-filled units 	<p>Large thermal mass impacts local freezer area</p> <ul style="list-style-type: none"> •Large heat capacity removed from alcohol impacts nearby samples
<p>•BioCision part #: BCS-136</p>	

Cleaner. Greener. Easier to Use.

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