



## Troubleshooting Guide for ExcelaPure 96-Well UF PCR Purification Kit

OBSERVATION	POSSIBLE CAUSE	RECOMMENDATIONS
<b>Low DNA Recovery</b>	Insufficient resuspension of PCR products	<ul style="list-style-type: none"> <li>Optimize mixing conditions.</li> <li>Increase mixing time.</li> <li>If using a standard liquid handling instrument, optimize aspiration/dispensing of PCR products.</li> </ul>
	PCR products < 100 base pairs	ExcelaPure 96-Well UF Plates cannot purify PCR products < 100 base pairs.
	PCR products dried on the membrane	Resuspend samples immediately after filtering.
<b>Sample Contamination</b>	PCR products not filtered completely	Apply vacuum for 5 - 10 minutes or until the wells have emptied. The membrane will appear shiny.
	PCR products remain on the inner wall of the well	<ul style="list-style-type: none"> <li>Transfer samples carefully to the membrane.</li> <li>Avoid droplet formation on the wall of the well, as unpurified PCR products may be co-recovered with your purified PCR products.</li> </ul>
	Insufficient primer removal	<ul style="list-style-type: none"> <li>Use optional wash step.</li> <li>Optimize PCR reaction conditions.</li> </ul>
<b>No vacuum</b>	Vacuum does not engage	<ul style="list-style-type: none"> <li>With the vacuum on, press the plate to engage the vacuum.</li> <li>Check for debris around the rubber gasket.</li> </ul>

**For additional troubleshooting assistance, please contact Edge BioSystems at:**

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