

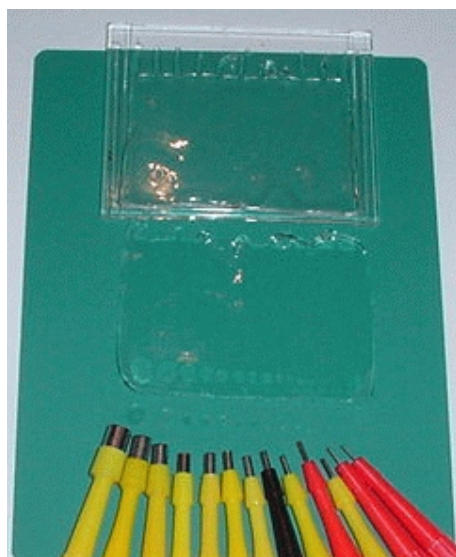
The *Harris Uni-Core*™

An inexpensive, disposable sampling tool that can be autoclaved for repeated use and offers the simultaneous function of extraction, retrieval and storage when sampling.

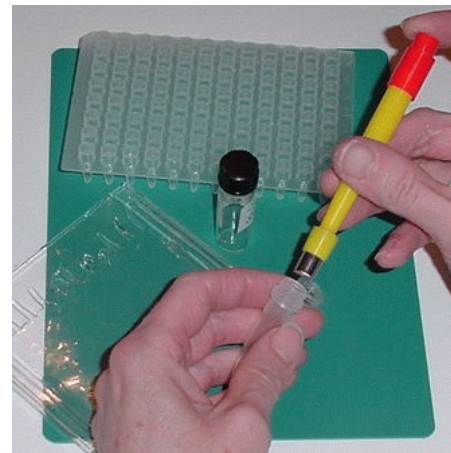
GEL EXTRACTION



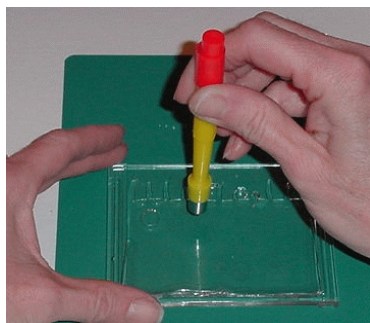
Ethylene oxide sterilized with cover cap, pouch and optional Harris self-healing cutting mat or Harris recordable cutting mat.



Razor sharp cutting tips capable of extracting gel slices in diameters of 0.5 to 8.0 mm.

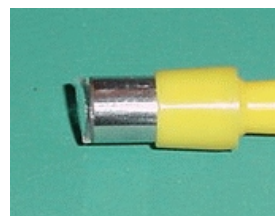


Temporary sample storage and controlled ejection plunger for precise sample positioning.



Sample Extraction

The source gel may be sampled directly on the plate or removed from between the plates and positioned on top of a Harris self-healing cutting mat or Harris clear, recordable cutting mat. Gripping the Uni-Core between thumb and index fingers, the tip is positioned at a right angle above the target area. Gentle, but firm, downward pressure is applied as the cutting tip passes through the gel and makes audible contact with the support. Use the free hand to steady the gel on the mat or to steady the plate. The Uni-Core may require optional rotation to force the gel slice into the hollow cutting tip. The Uni-Core is lifted away from the gel with the slice firmly stored in the cutting tip for preferred transfer.



Sample Retrieval and Storage

The edge of the cutting tip pushes the substrate against the cutting support (plate or mat). Downward pressure continues until the tip edge makes audible contact with the support. Optional rotation may be added to retrieve the gel slice into the hollow end of the tip above the blade. When sampling on the Harris cutting mats, the blade passes through the gel, contacting and penetrating the pliable cutting mat, thereby pushing the cored gel slice further into the hollow end of the tip above the blade. The sample is now temporarily stored in the cutting tip for subsequent ejection. The Uni-Core can be rested on its side without loss of sample from the hollow tip.



Sample Delivery

The stored sample may be ejected into a collection vial, micro-titre well, or other preferred location.

Each *Harris Uni-Core*™ (U.S. Patent No. 7093508) is available in diameters (mm) of: 0.35, 0.50, 0.75, 1.25, 2.00, 2.50, 3.00, 3.50, 4.00, 5.00, 6.00, 7.00 and 8.00. Each Uni-Core is separately packaged, ethylene oxide sterilized and can be autoclaved for 20 min at 250°F and 15 p.s.i. Custom size diameters available on request. Polyvinyl green, inert, self healing cutting mats are available in sizes of 2.5" x 3" and 6.0" x 8.0". Mats are not sterilized but may be rinsed with ethanol before use. The recordable, clear cutting mat is sold with a protective, removable cover on both sides. This mat can be sterilized with ethanol and will show every cut produced to reduce the chance of sampling over the same area.