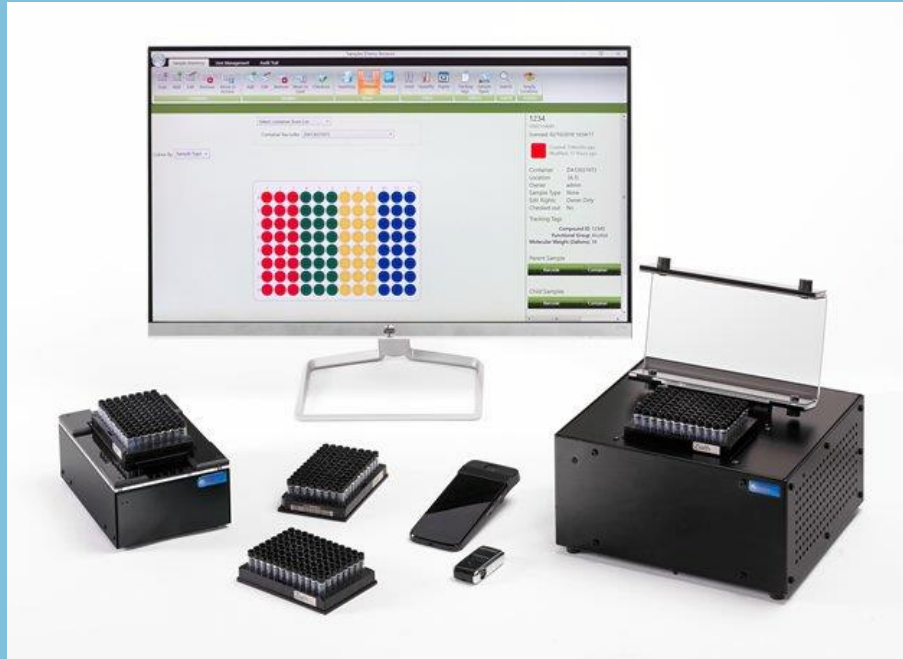


Ziath Mohawk & Mirage Working Together for Smaller Biobanks

Easy cherry-picking from 96-well racks with full reporting



The Ziath Mohawk Semi-Automatic Tube Selector enables you to pick individual or groups of tubes directly from 96-well racks with ease. Trying to extract a single tube from a rack can be difficult and doing so manually can lead to positional errors. By using software to control 96 individual solenoids, the Mohawk can lift one, two, or up to sixteen individual tubes at a time, making it easy to remove them from the rack and place in a subsidiary rack or other tube device. The pins to be selected can be set in a 'pick list' which can be generated manually from the on-screen graphical representation of the Mohawk deck or imported from an Excel spreadsheet. The Excel file can be created manually or imported from Ziath's Samples™ inventory management system™ or from your LIMS or another sample tracking programme that can export Excel format files. The picklist can even include tubes that are contained in multiple racks. When a rack contained in the picklist is placed onto the Mohawk, the integrated 1D barcode reader identifies the rack and if it is in the pick list, it assigns the tubes to be picked from that rack.

By closing the lid the solenoids will instantly fire to present the required tubes. On on-screen graphic also highlights the positions and individual tube i.d.s of the required tubes. This reduces the risks of the wrong tubes being selected during picking. The Mohawk works out of the box and needs no set up or calibration. In Worklist mode, a file that describes the tubes that are to be selected is used to control the pins. It can be in Excel, CSV, text, XML or JSON format. The Mohawk works with both frozen and thawed tubes, using powerful

thyristor-controlled solenoids to raise each tube. An adjustable lid allows a variety of tube sizes to be used, including smaller 0.5ml tubes and Azenta's Acoustix tubes without them leaving the rack completely.

The real power of the fully-integrated system comes when a Ziath CMOS-camera based reader is attached. This can be a Ziath Mirage, Express or Cube scanner which is connected to the same PC as the Mohawk. The reader is used to automatically create pick lists for the Mohawk and then after picking, to verify the contents of the destination racks and re-upload their new positions to Samples™ or to your LIMS via an Excel file. When combined with a Ziath rack scanner, the Mohawk will produce a report showing the tube's original position in a rack and its new position in a daughter rack. This powerful combination is very easy to set up and use. In conjunction with the Ziath Samples software, the process becomes even easier as both Mohawk picker & Mirage reader communicate directly with Samples software forming a seamless low-cost "cherry picking" system for SBS racks. You can see these instruments working together in a short video clip here:

Using the Ziath Mohawk tube selector and Mirage scanner together	https://youtu.be/XEsTKrLjtkl
Using the Ziath Mohawk and DataPac Mirage rack scanner together (Chinese Subtitles)	https://youtu.be/tuOw977vNuk
Using the Ziath Mohawk and DataPac Mirage rack scanner together (Spanish Subtitles)	https://youtu.be/sTDPcvPk_VA
Using the Ziath Mohawk and DataPac Mirage rack scanner together (German Subtitles)	https://youtu.be/vC2yGz3gk0o
Using the Ziath Mohawk and DataPac Mirage rack scanner together (French Subtitles)	https://youtu.be/uTwYZ3fn30s
Using the Ziath Mohawk and Mirage scanner with Brooks Acoustix Tubes	https://youtu.be/6n1gTFK_QrY

For more information or to book a demonstration in your own laboratory, please contact sales@ziath.com or call

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