

## Abstract 30

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### COMPARISON OF THE QIAGEN ROBOTIC AND STEP-WISE SPIN COLUMN DNA EXTRACTION TECHNIQUES UTILIZING THE QIAGEN EZ1 BIOROBOT

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The QIAGEN EZ1 Biorobot uses a magnetic silica bead solution to perform DNA purification. We have compared this method versus the traditional spin column elution technique of DNA extraction for yield, accuracy and ease of use. The Biorobot allows simultaneous processing of 6 samples, and saves several manual manipulations. Our results indicate that the robot performed as well as manual extraction in terms of yield and sample purity, while saving significant lab personnel time.