

# Aurora Discovery PicoRAPTR



**Manufacturer:** Aurora Discovery  
**Model Number:** PicoRAPTR  
**Web Address:** [www.auroradiscovery.com](http://www.auroradiscovery.com)

The Picoliter Rapid Transfer Robot (PicoRAPTR) is a highly versatile, automated instrument ideal for ultra-low volume aspirate and dispense operations. The high performance, 8-tip piezo head and dual plate carrier stage allow for high speed aspiration and dispense of 1nL to 100uL volumes of liquid with extremely high precision and accuracy. The workstation utilizes Aurora Discovery's low-volume piezo dispensing technologies.

## Picoliter Rapid Transfer Robot: Commands

- ▶ **AbortScript( )** - Stop executing current script (once current step is finished processing).
- ▶ **ExecuteScript( )** - Start execution of a script.
- ▶ **GetBarcodeRead( position )** - Returns the string containing the barcode for the given position.

position	Integer	Specify the position, 0 if left plate carrier is used, 1 if right plate carrier is used.
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- ▶ **GetDispensedMapDirectory( )** - Returns string containing the path of the where the dispensed volume map files are kept.
- ▶ **GetInstrumentVersionString( )** - Returns string containing the instrument's control software version.
- ▶ **GetVersionString( )** - Returns the string containing the instrument version number.
- ▶ **GoLoadPosition( )** - Move the plate carrier to the load position.
- ▶ **IsAtLoadPosition( )** - Returns true if the instrument is at load position, otherwise false.
- ▶ **IsClamped( position )** - Returns true if the plate clamp is on, otherwise false.

position	Integer	Specifies the position, 0 if left plate carrier is used, 1 if right plate carrier is used.
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- ▶ **LoadScript( path )** - Loads the script steps from the given filepath.

path	String	Full path name to the script.
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▶ **Notify( ncode )** - Creates an event that will continue executing the current script.

ncode	Integer	Notify value to send to the control software. 1 - continue
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## Picoliter Rapid Transfer Robot: Errors

🔥 **DispenserError( errorCode, errorDescription )** - Error occurred during command execution.

errorCode	Integer	Error code number.
errorDescription	String	Error description. 1 - Toolkit is already initialized. 2 - Product path specified in the Initialize method is invalid. 3 - Toolkit fails to initialize the PicoRAPTR. 4 - Bad command. 5 - Bad parameter. other - Please refer to PicoRAPTR error data file.

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