

Aurora Discovery BioRAPTR FRD



Manufacturer: Aurora Discovery
Model Number: BioRAPTR
Web Address: www.auroradiscovery.com

The BioRAPTR FRD workstation is an automated non-contact dispenser for low volume 384-well, 1536-well, and 3456-well plates. This workstation is the next generation Flying Reagent Dispenser (FRD). It produces highly accurate and precise dispensing across a volume range of 100nL - 60uL without cross-contamination, fully supporting integrated high-throughput screening, stand-alone assay development applications, and reagent additions applications in pharmacogenomic research.

Dispenser: Commands

- ▶ **Dispense()** - Run the dispense operation.
- ▶ **GetCurrentPlateType()** - Returns the index of the plate type selected. Returns 0 if none is selected.
- ▶ **GetVersionString()** - Returns the string containing the version number of the instrument.
- ▶ **GoLoadPosition()** - Move the plate carrier to the load position.
- ▶ **IsAtLoadPosition()** - Returns true if the instrument is at the load position, otherwise returns false.
- ▶ **IsClamped()** - Returns true if the plate clamp is on, otherwise returns false.
- ▶ **SetBarcode(read)** - Notify if the barcode is used during instrument operation. If not called, the instrument's current setting is used.

read	Boolean	True to read barcode, false to skip barcode.
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- ▶ **SetCalibrationFile(path)** - Set the path of the calibration file for the instrument.

path	String	Full path name of the calibration file.
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- ▶ **SetDelid(delid)** - Notify if the delidding operation is used during instrument operation. If not called, the instrument's current setting is used.

delid	Boolean	True to delid plate, false to skip.
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- ▶ **SetDispenseFile(path)** - Set the path of the dispense file.

path	String	Full path name of the dispense file.
▶ SetPlateType(plate) - Set the name of the plate type to be used for dispensing.		
plate	String	Name of the plate type.

Dispenser: 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 BioRAPTR. 4 - Bad command. 5 - Bad parameter. other - Please refer to BioRAPTR error data file.

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