

Robotics I – Process Path and RV Loader

Topic	Reference												
DELIVERY METHOD: Review components at the instrument. Refer to Service and Support Manual, Section 1, i2000 Module Overview .													
Process Path (PP) Components	<table> <tr> <th>Component</th><th>Function</th></tr> <tr> <td>Process Path (PP)</td><td> - Teflon coated, circular assembly with 2 channels or tracks: - Inner: a holding area for clean RV's - Outer: allows for assay processing and reads to occur - Provides an incubated environment for assay reaction process - Offers access points for various subassemblies to perform steps required for assay processing - liquid dispense/aspiration points - wash points as necessary for the supported assay protocols - optical reads - Holds replaceable magnets (3) to allow microparticle capture when RV's are positioned at locations: - optics read - Wash Zones (2) - Generates a pop-up error for a successful PP motor stall recovery: 5106 Process path jam was detected and a recovery was successfully performed. Process path may require servicing. </td></tr> <tr> <td>Process Path Disk & Home Sensor</td><td> - Supports and guides 112 RV positions in PP - Contains disk homing holes to pass through the sensor and used only during initialization </td></tr> <tr> <td>Process Path Cover</td><td> - Mounted to the process path assembly - Holds subassemblies used for assay processing - Blocks light and helps maintain a heated environment - contains an RV Access Door used during M&D procedures </td></tr> <tr> <td>Process Path Motor</td><td> 36VDC motor indexes the PP disk counter clockwise one RV position every 18 seconds - Will attempt to correct jam encountered and display a successful or error pop-up - Motor is encoded so that each RV position has a home position - Uses motor driver #1 and indexer #1 </td></tr> <tr> <td>PP Heaters (6) & Thermistors </td><td> 27VAC heater pads (6) mounted to the underside of the PP - Heaters are independently replaceable - Each heater contains an embedded thermistor and used for control </td></tr> </table>	Component	Function	Process Path (PP)	- Teflon coated, circular assembly with 2 channels or tracks: - Inner: a holding area for clean RV's - Outer: allows for assay processing and reads to occur - Provides an incubated environment for assay reaction process - Offers access points for various subassemblies to perform steps required for assay processing - liquid dispense/aspiration points - wash points as necessary for the supported assay protocols - optical reads - Holds replaceable magnets (3) to allow microparticle capture when RV's are positioned at locations: - optics read - Wash Zones (2) - Generates a pop-up error for a successful PP motor stall recovery: 5106 Process path jam was detected and a recovery was successfully performed. Process path may require servicing.	Process Path Disk & Home Sensor	- Supports and guides 112 RV positions in PP - Contains disk homing holes to pass through the sensor and used only during initialization	Process Path Cover	- Mounted to the process path assembly - Holds subassemblies used for assay processing - Blocks light and helps maintain a heated environment - contains an RV Access Door used during M&D procedures	Process Path Motor	36VDC motor indexes the PP disk counter clockwise one RV position every 18 seconds - Will attempt to correct jam encountered and display a successful or error pop-up - Motor is encoded so that each RV position has a home position - Uses motor driver #1 and indexer #1	PP Heaters (6) & Thermistors 	27VAC heater pads (6) mounted to the underside of the PP - Heaters are independently replaceable - Each heater contains an embedded thermistor and used for control
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The diagnostics landscape for sexually transmitted infections World Health Organization, 2023-07-20 This document highlights the diagnostics available now to support scale up and expanded access to screening to meet the growing testing demands in LMICs The document is intended to compliment the WHO STI Laboratory Manual The focus of this landscape is on the technologies tests platforms and systems for use in resource limited settings commercially available at the time of publication for syphilis chlamydia gonorrhoea trichomoniasis mycoplasma herpes and HPV This document does not provide market assessments or pipelines for new technologies but recognizes the need for additional complimentary documents to support decision makers in prioritizing STI testing in LMICs The target audience for this document is broad but includes

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Methods Peter M. Eller,1994-06 **NIOSH, Manual of Analytical Methods** National Institute for Occupational Safety and Health. Division of Physical Sciences and Engineering,1994 **Clinical Chemistry Laboratory Manual** Ruthanne Hyduke,Lucy J. Wall,1989 *NIOSH Manual of Analytical Methods (NMAM)* ,1996

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