

DRG INSTRUMENTS GMBH



QUICK START GUIDE



DRG:HYBRID-XL®

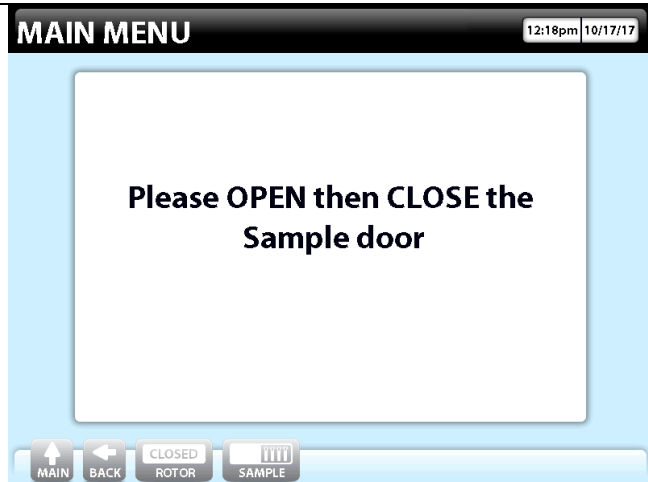
Version 2.70_EN_v1

Daily Work

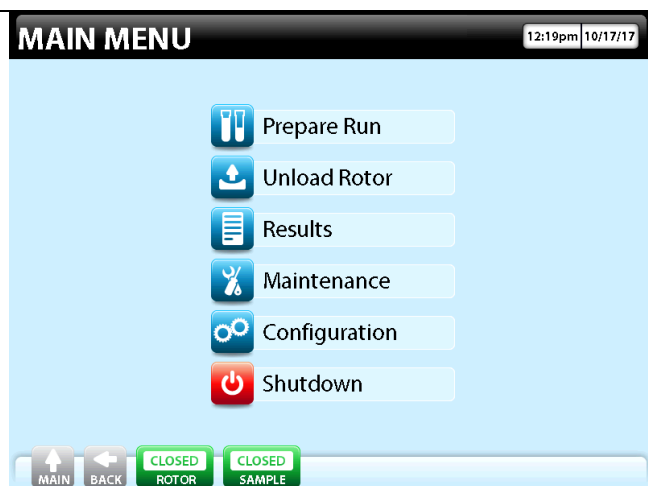
Switch on the HYBRiD-XL



Please open, then close the Sample door



Main Menu



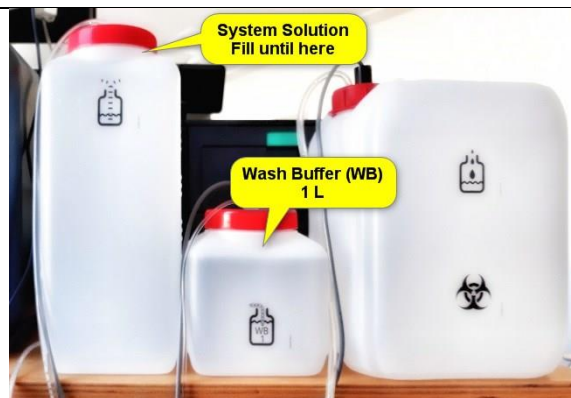
Prepare Run



Check the system liquids: the System Solution (Water), the Wash Buffer and the Waste



Visually, verify the liquid level of the containers. Complete the System Solution and the Wash Buffer liquids – as necessary, empty the Waste container.



Click on every checkbox after visual liquid level verification and completion of each container of Water and WB and discarding of the Waste container

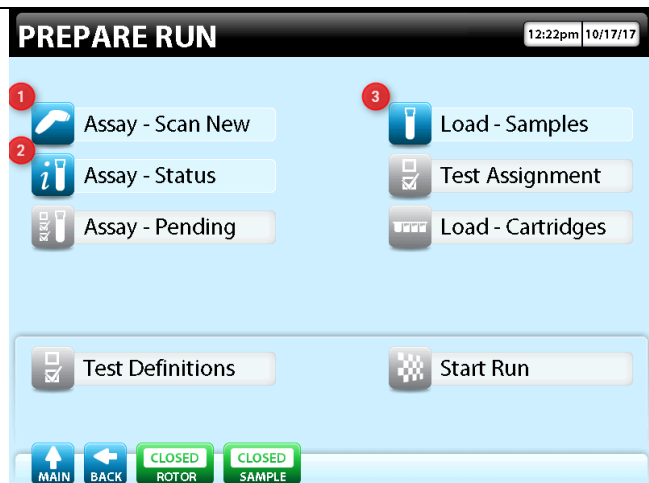


Once the liquid level of the containers is checked, click in NEXT



Prepare Run

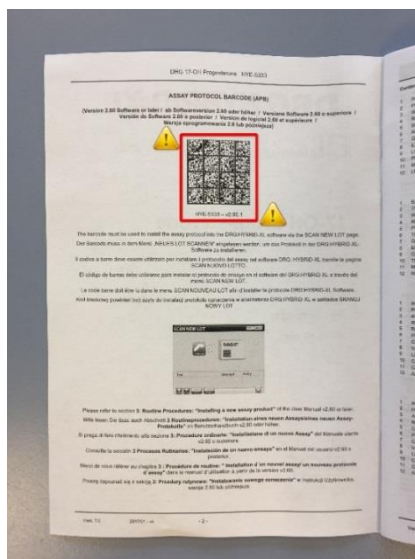
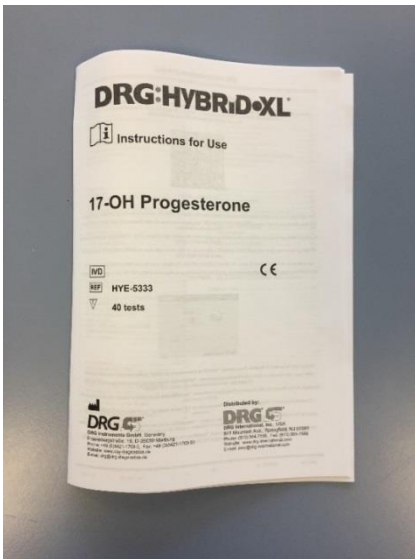
*NOTE: If the assay barcode and the LOT barcode have been scanned, go directly to page 7 of this Quick Start Guide



Scan New Assay / Lot



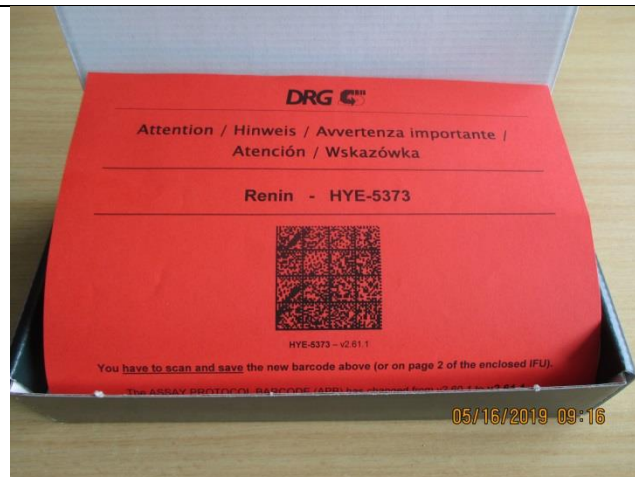
For a new assay or in case the assay version was changed, the Assay Protocol Barcode (APB) has to be scanned. The APB is in the **Insert for Use (IFU) page 2**. The parameter information has to be loaded in the instrument. Close the procedure by pressing the “SAVE” button.



In case an assay version was changed, the kit will contain a red warning sheet with the new APB.

You have to scan and save this new APB.

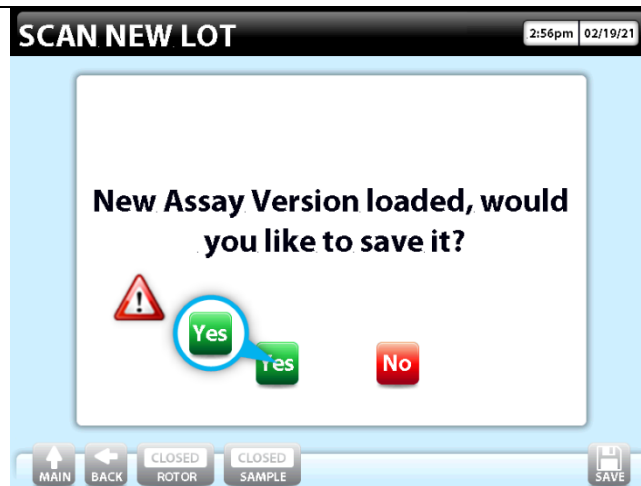
*NOTE: The APB is also found on page 2 of the updated IFU



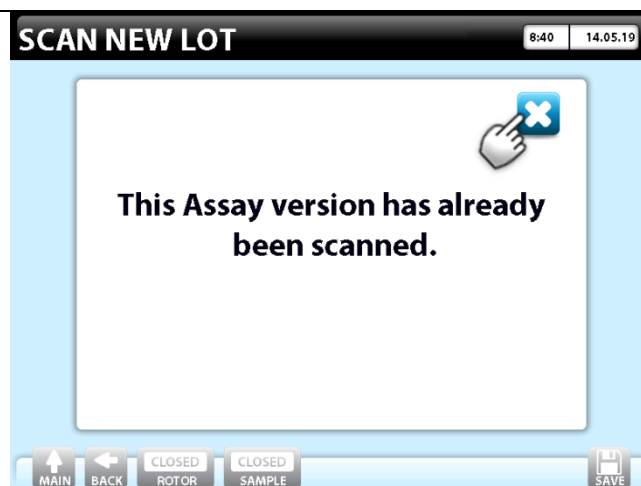
When the new APB version is scanned the message shown will appear asking if the new APB version should be saved.

Confirm with "YES" to save the new APB version.

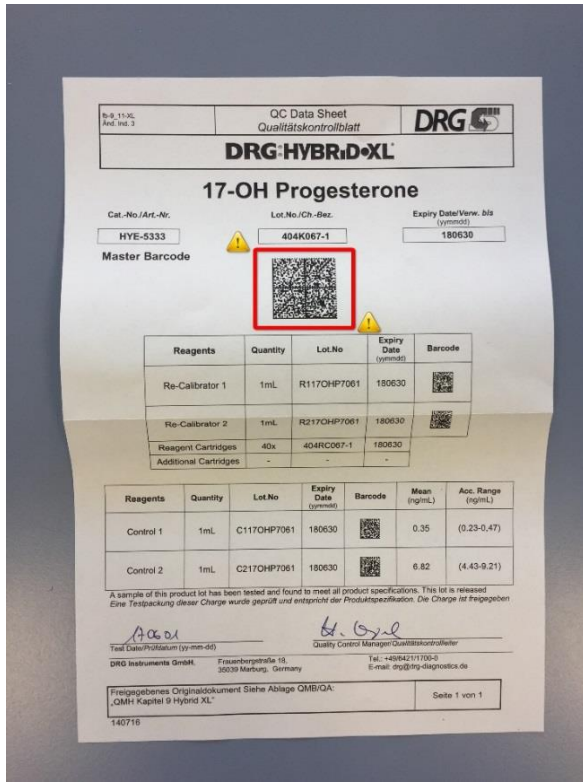
*NOTE: If the new APB version is not saved, the existing version will be used to run the assay.



If the same APB version is scanned, which is already installed in the system, a pop-up message as shown will appear. In this case just close the window by pressing "X".

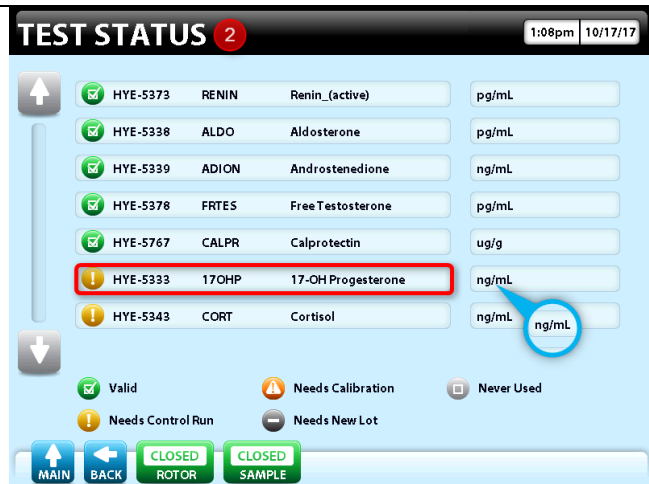


Scan the LOT Barcode (printed inside the LOT certificate):

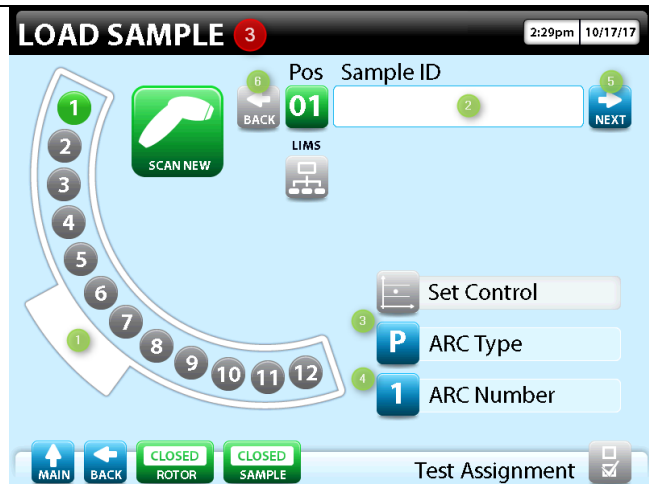


Test Status

Select the measurement units needed for the released results - by clicking-on the box of the corresponding units



Load Sample Menu



Ref	Description
1	Sample ARC representation
2	Patient ID insertion box
3	ARC type selector
4	ARC Number Toggle selector
5 & 6	Scroll icons to move between positions.

Load Re-calibrators / Controls / Samples on the ARC:

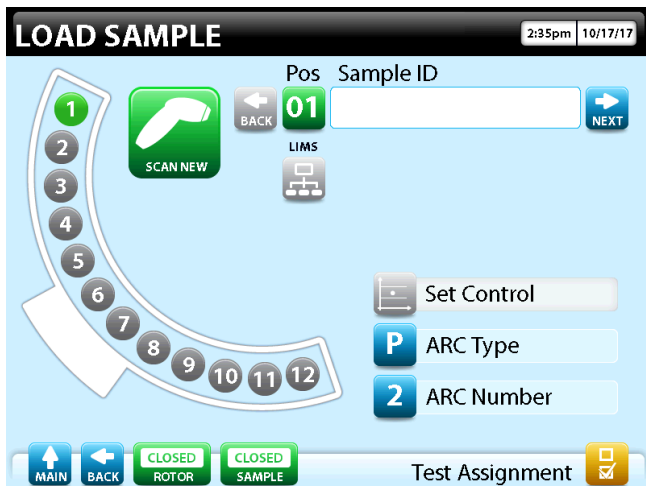
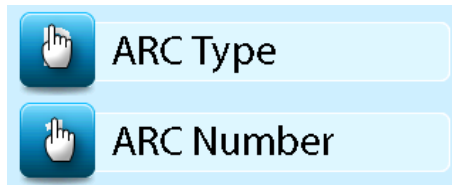
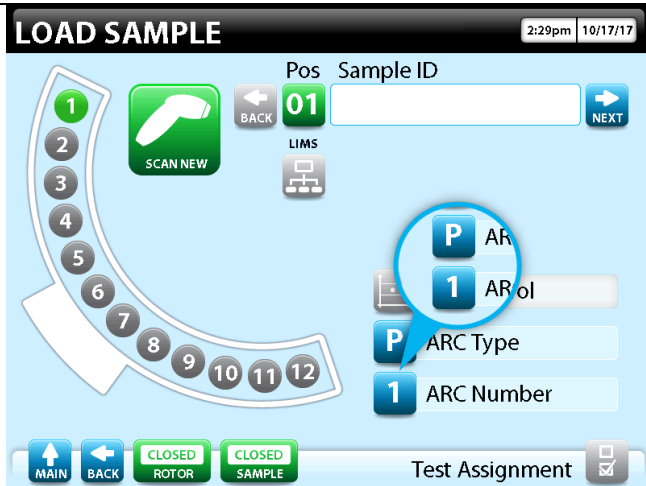
- Re-Calibrator
- Control
- Sample
- Current Position
- Empty



Samples can be automatically identified (via the manual scanning of the ID barcode) or by inputting the ID manually (with the keyboard on display)



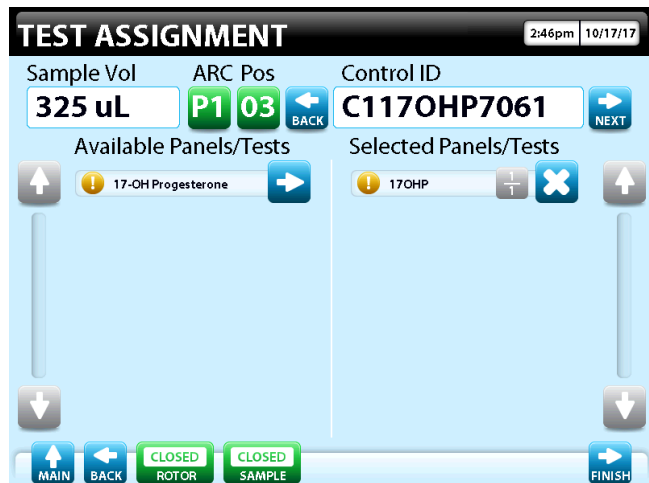
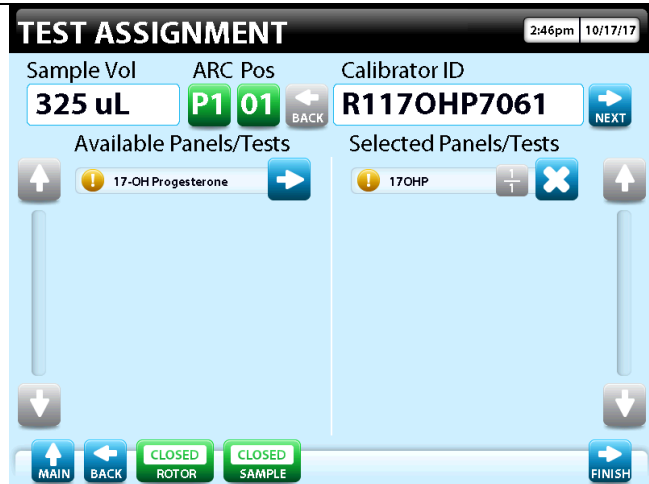
To change
 - ARC Type → Press “ARC Type” (primary or Secondary)
 - ARC Number → Press “ARC Number”



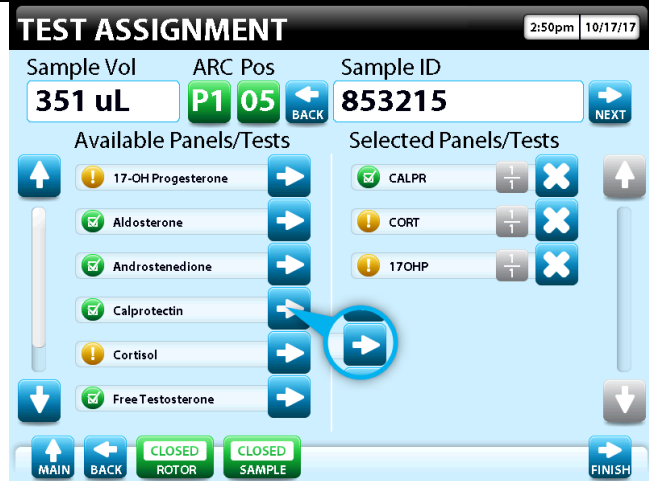
Once the samples have been identified, the tests have to be assigned.



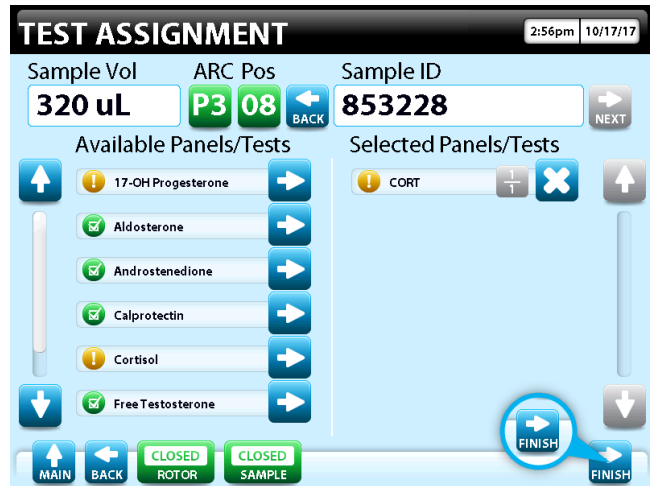
For Re-calibrators and Controls the tests are assigned automatically



For the samples, tests are assigned manually, by clicking the arrow corresponding to the chosen assay

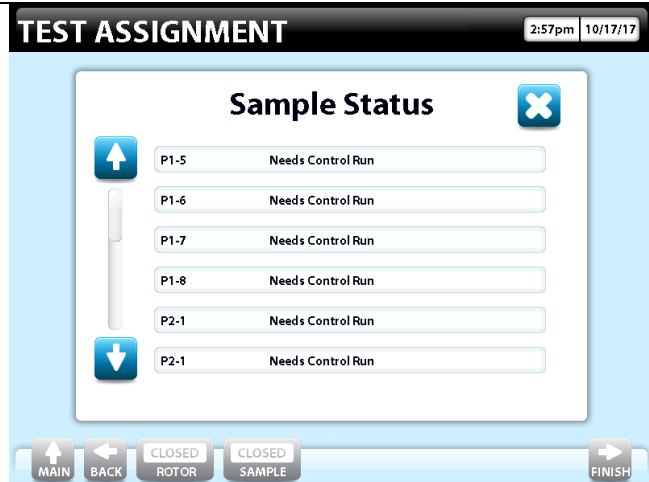


Once all the tests have been assigned, click Finish to go further to the Work List



If the assay status is different than valid, a warning message pops-up. Assay possible status:

- LOT is valid
- LOT Needs Control Run.
- LOT Needs Calibration.
- LOT Expired
- LOT not yet tested

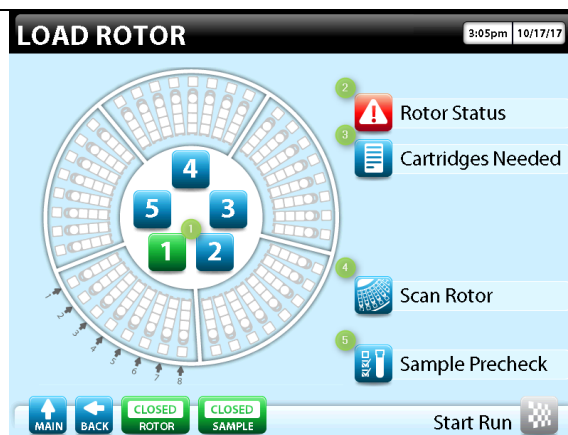


(If needed, the Worklist can be printed by clicking the Printer button).

For rotor loading – reagent cartridges and measurement cuvettes, press Load Rotor.

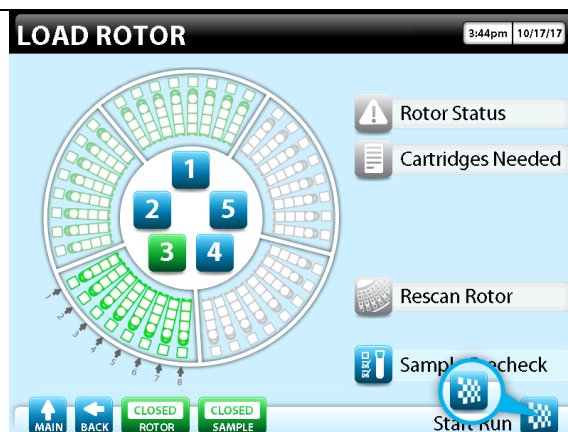


Load Rotor Menu

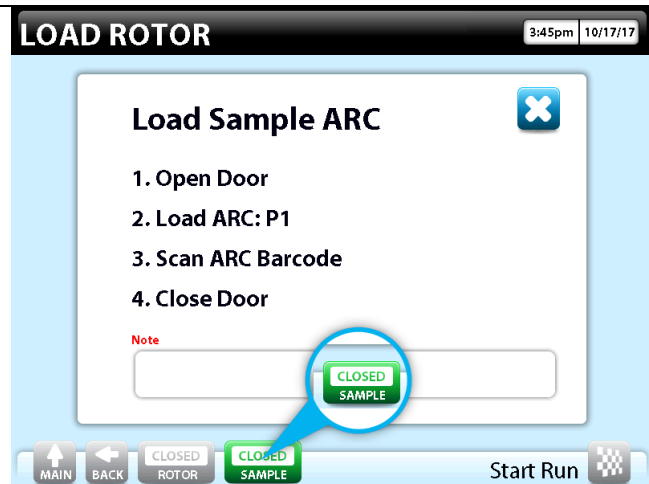


Ref	Description
1	Button to open the rotor in the module desired
2	Rotors status, which provides information for any possible issue in the rotor
3	Required cartridges for a successful scan
4	Scan rotor button necessary to start the run
5	Sample pre-check volume to verify the liquid of the samples (if necessary)

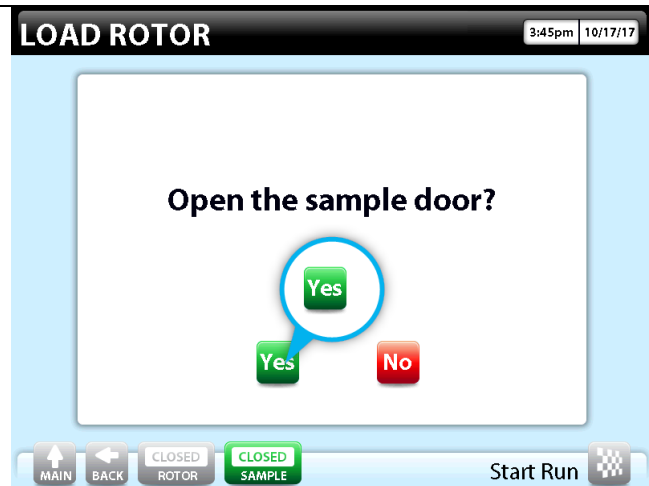
After the successful cartridge scan, the run can be started



After clicking “Start Run” the following screen appears:



Press Yes to open the Sample door.



Open the Sample door

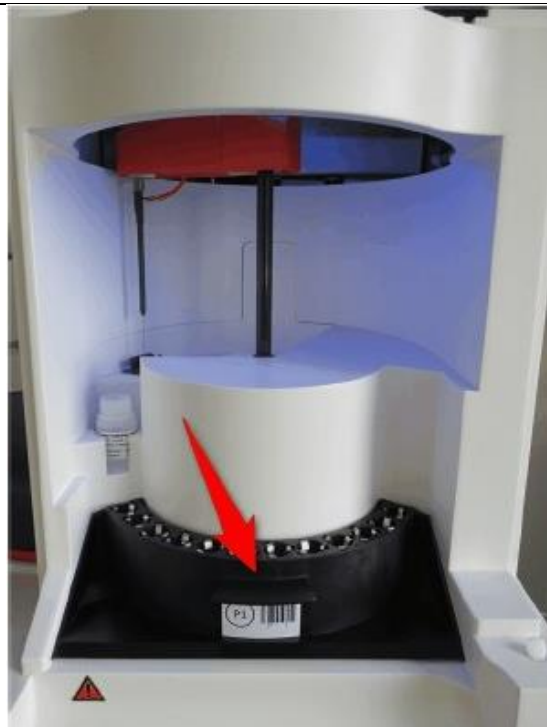


(Every step performed will be bolded in green)

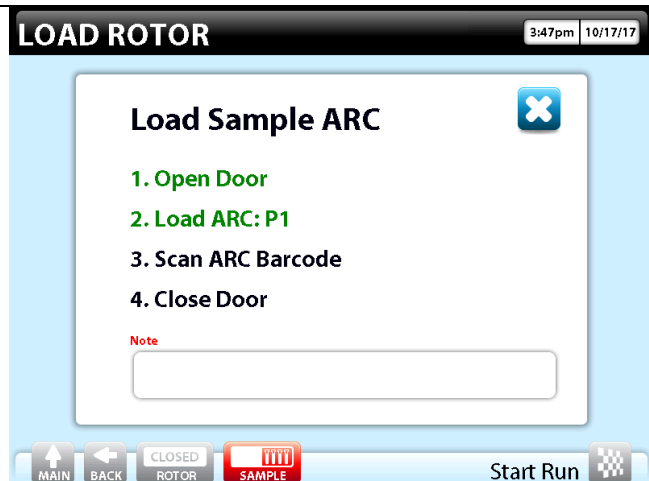
Then, load ARC P1.



Load the ARC with Re-Calibrators, Controls and Samples on the instrument.



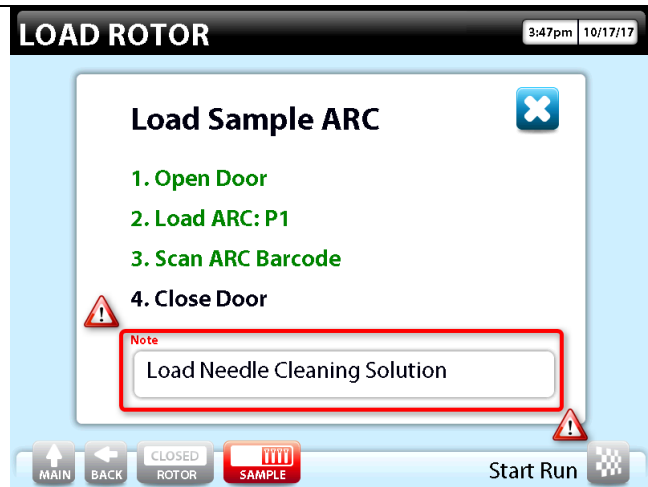
The ARC loaded in the instrument must be identified:



Scan the ARC barcode for identification



Load on board the Needle Cleaning Solution (NCS)



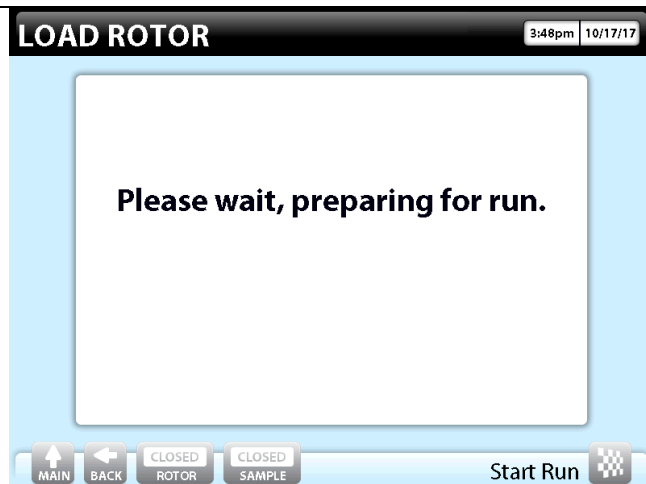
Place the Needle Cleaning Solution bottle inside the instrument – on the back left holder.



Close the Sample door



The instrument it's preparing for the run



Rotor it is pre-warming for 15 minutes (for the temperature equilibration of the reagents, antibody coated wells and measurement cuvettes)



The RUN Screen

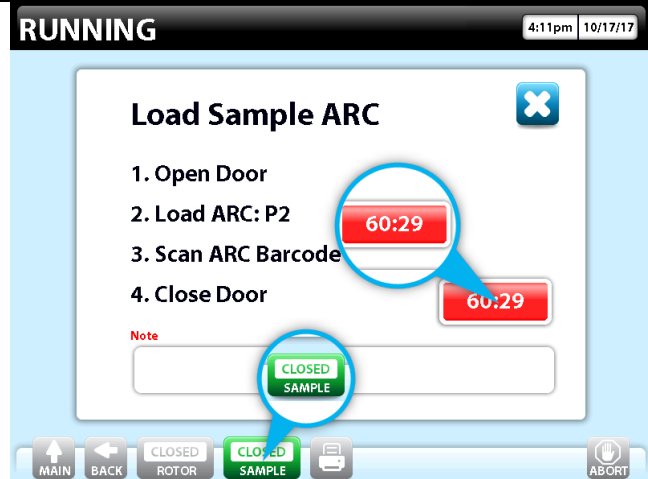


Ref	Description
1	Run duration. Time when the whole run will be finished.
2	Duration until Next result. Time when the next result will be obtained.
3	Duration until ARC remove / load another. Time when the ARC can be removed or changed.
4	Button to request testing of a PIT sample
5	Button to abort whole run

To load the second (or third) ARC, the same screen pops-up, with the same steps to follow.

There is a countdown that shows the time left to load the new ARC with the samples.

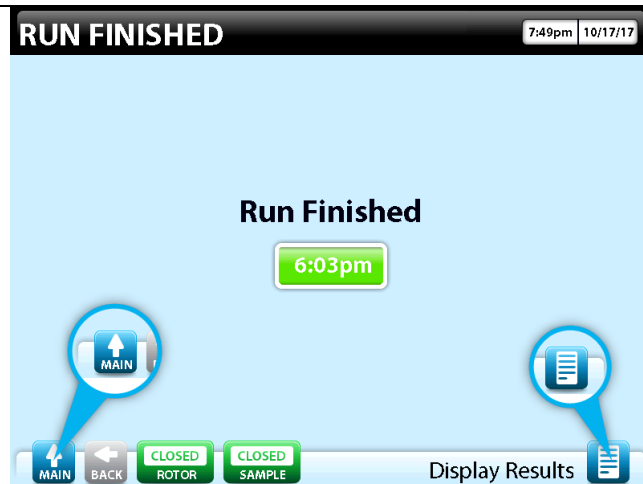
Once the countdown is finished, the Sample door can't be opened - until the Sample button door is active again



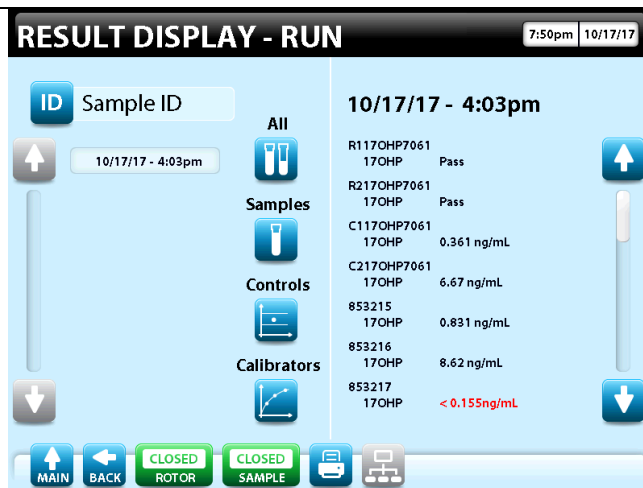
Once the run it's finished, the results are automatically printed on the attached external printer.

Results can be also seen on display - by pressing the "Display Results" button.

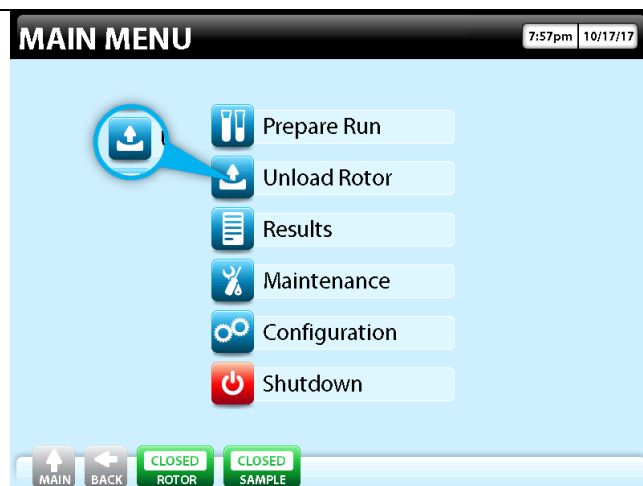
To go to the Main Menu, press the button Menu



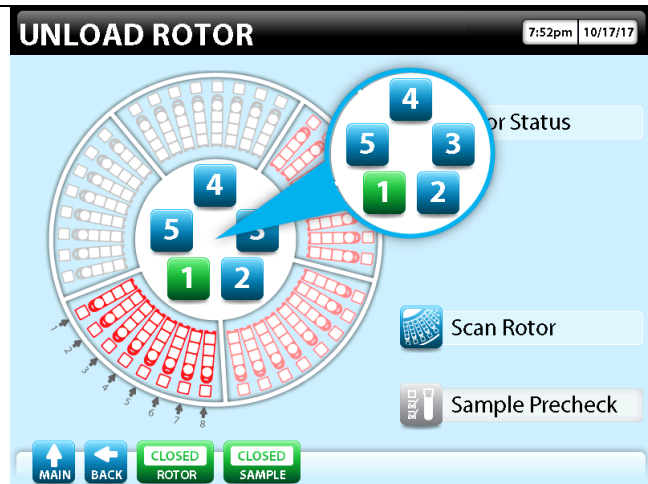
Results Screen



To unload the rotor from the instrument, go to Main Menu and press the "Unload Rotor" button

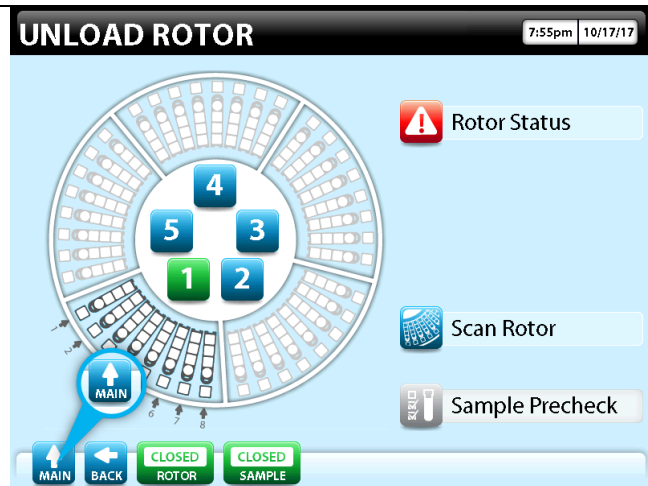


To unload the rotor, press any number to open the rotor door

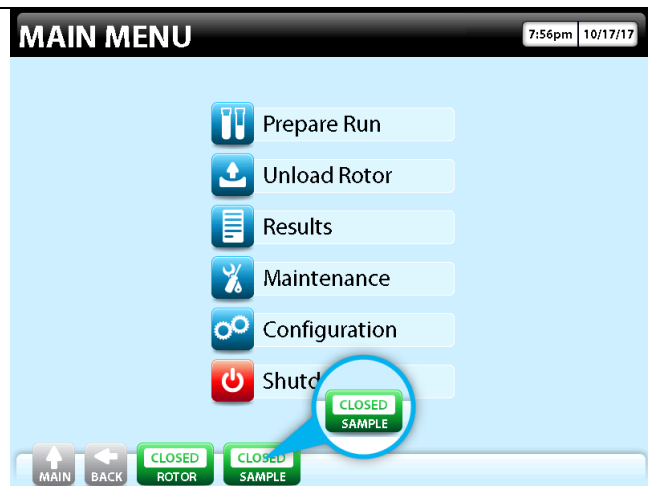


Take out the segments with the used cartridges and cuvettes.

Go back to Main Menu

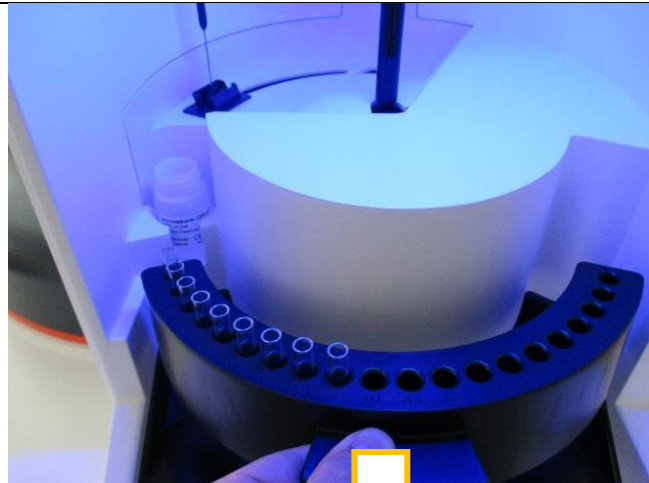


If the last ARC used has not been removed from the instrument, open the Sample Door by pressing the Sample door button.



Remove the Sample ARC and the NCS bottle.

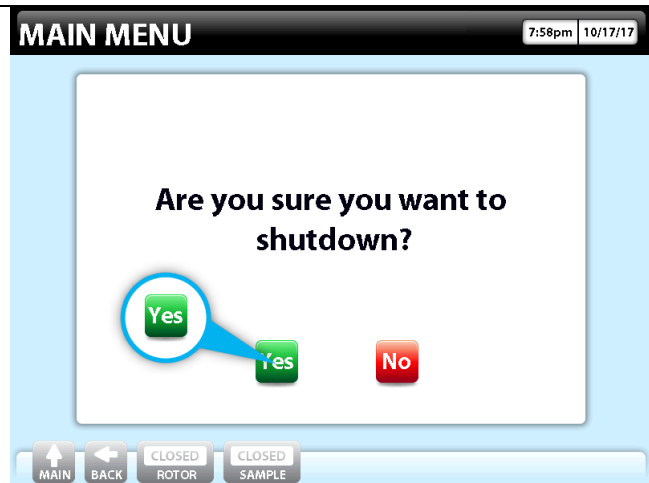
Close the Sample door



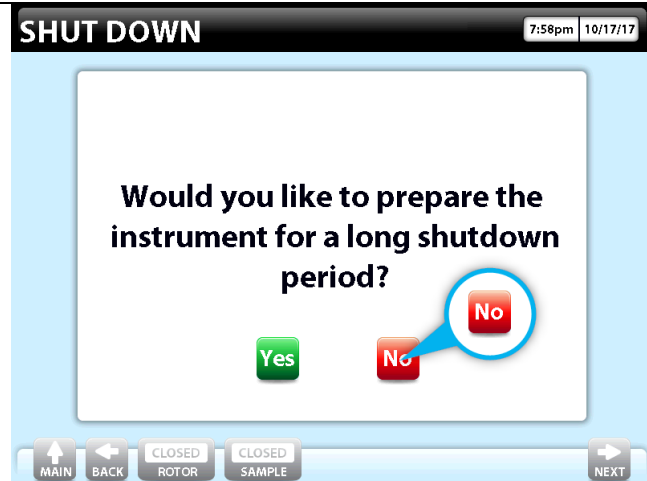
Shut down the instrument



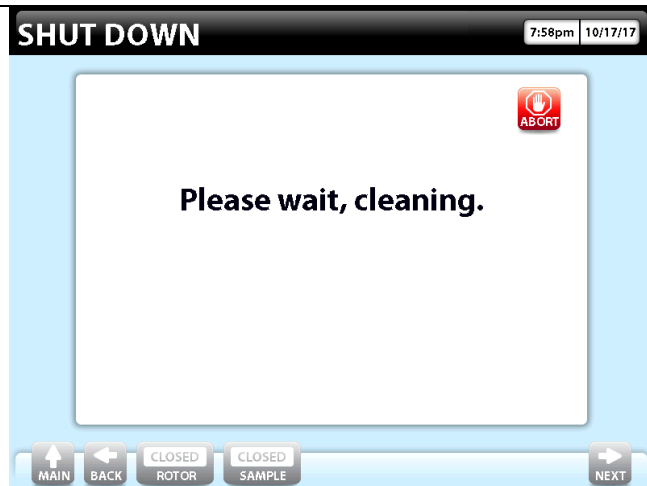
Confirm to shut down the instrument



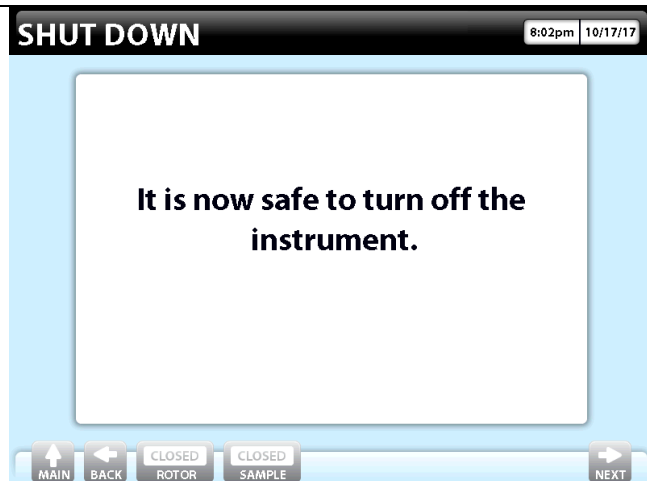
Press NO for preparing the instrument for a shorter stand-by (like until the next day)



The instrument performs an automated self-cleaning procedure before shutting down.



The instrument shuts down / going to a stand-by state (please do not switch-off the instrument from the mains button on the back).





DRG:HYBRID•XL®
QUICK START GUIDE

Customer

Document Information

Author Marco Euler

Version	Revision	Date	Name	Description
1	0	2021-03-29	Marco Euler	<ul style="list-style-type: none">• First complete version for SW Version 2.70