Zenit PRO – Quick User Guide

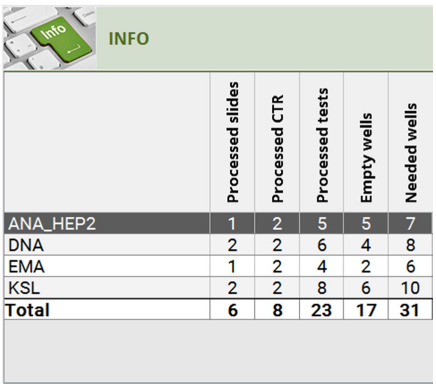
How to run a full run session

1. Select **Full Run** on the main page:

2. Press START button to access the wizard for the Worklist creation.
   The 7-step wizard opens.

3. *STEP 01: Test*
   a. Check the test (s) to be performed (e.g. Zenit B_Hep2)
   b. Press **Next** to proceed to the next step

4. *STEP 02: Samples*
   a. Directly load racks with barcoded tubes (the "Load sample" panel will open automatically)
   b. Select tests and dilutions for each sample. Tests to be performed and default titration are indicated by a green dot.
      The  symbol indicates the sample includes screening dilution and/or other dilutions.
   c. The INFO field shows a summary recap of the scheduled operations:

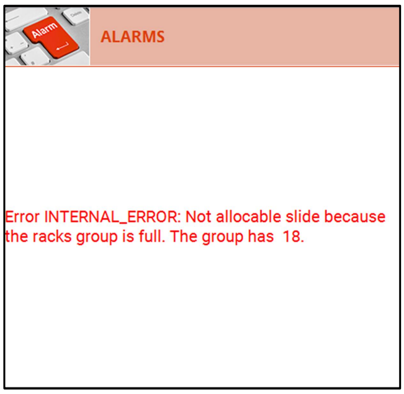


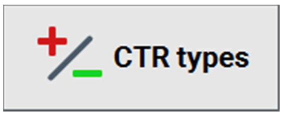
INFO

	Processed slides	Processed CTR	Processed tests	Empty wells	Needed wells
ANA_HEP2	1	2	5	5	7
DNA	2	2	6	4	8
EMA	1	2	4	2	6
KSL	2	2	8	6	10
Total	6	8	23	17	31

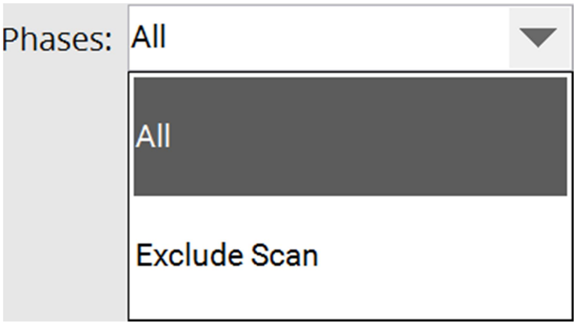
   - Number of slides that will be processed
   - Number of controls requested in the session
   - Number of tests that will be performed
   - Number of empty wells
   - Number of wells that will remain unused

   d. The ALARMS field shows possible errors that may occur

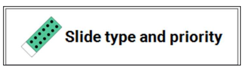


e. 

Select type and frequency (none/first slide only/all slides) of controls. Controls will be automatically assigned on the first wells.

f. 

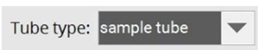
Default setting is “All” phases

g. 

Press this button if you want to select a specific type of slide (e.g. 12_ANA HEP2 or 6_ANA HEP2)

h. 

The standard rack type is for sample tubes 13x75mm. Paediatric rack is available as an accessory.

i. 

Select the specific tube type for each rack type (sample tube or paediatric)

j. Press **Next** to proceed to the next step

5. *STEP 03: Controls*

   Note: if no controls were selected in STEP 02 for the current session the system will skip the controls step

a. Load the rack with the required controls. Pay attention to place each vial in the corresponding position. See Control rack overview panel.
b. Tap on the control in the list to see its position in the rack overview. For each control the following information are displayed:
   - Position
   - Status (verified/error)
   - Type (Positive/Negative)
   - Barcode (if no barcode is present, just indicates presence/absence)
   - Required quantity
   - Measured quantity (updates after “Quantity Volume! Is executed)
   - Lot and expiration date (updates after “Traceability” is executed)

c. 

Set Control Lot number and expiration date

d. 

Performs a volume quantity check. The measured quantity column will update with the detected volume.

e. Press **Next** to proceed to the next step

6. *STEP 04: Reagents*
   a. Load the rack with the required reagents. Pay attention to place each bottle in the corresponding position. See Rack Overview panel.
   b. Tap on the reagent on the list to see its position in the rack overview. For each diluent, conjugate and mounting medium the following information are displayed:

   - Position
   - Status (verified/error)
   - Type (Diluent/Conjugate/Mounting medium)
   - Barcode (if present)
   - Required quantity
   - Measured quantity (updates after “Quantity Volume! Is executed)
   - Lot and expiration date (updates after “Traceability” is executed)

   c. Press Next to proceed to the **Next** step

7. *STEP 05: Dilutions*

a. Place a deep well plate on the rack. Ensure the A-1 well is located in the front left corner. Partially remove the rack.
b. Tap a dilution on the list to see its position in the rack overview.
c. Review the slot status on the deep well plate

Already **used cuvette**, unavailable for current session (yellow slot)

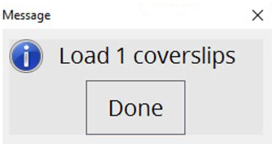
Needed cuvette, to be used in current session and need to be free of any liquid (blue slot)

Available cuvette, not used and not needed (grey slot)

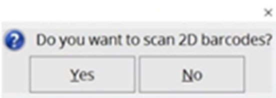
d. 

If a deep well plate is replaced before completely used, tap “Clean used cuvettes” then tap yes in the pop up window to confirm.
e. Press **Next** to proceed to the next step

8. *STEP 06: Slides*

a. 

A message window will pop up, indicating the required number of coverslips for the current session. Up to 25 coverslips can be loaded.
b. Remove the first slide rack to access the coverslip holder. Place at least the required number of coverslips on the holder
c. Carefully place the slides on the rack slot
d. Re-insert the first slide rack
e. The slide rack overview shows order and position of required slides on the rack(s)
f. Press **Next** to proceed to the next step
g. After pressing Next a pop up window asks the user the option of scanning the 2D barcode of each slide. Select Yes.



h. The Wizard will then prompt the user to place a slide cover on each slide. Place slide covers.

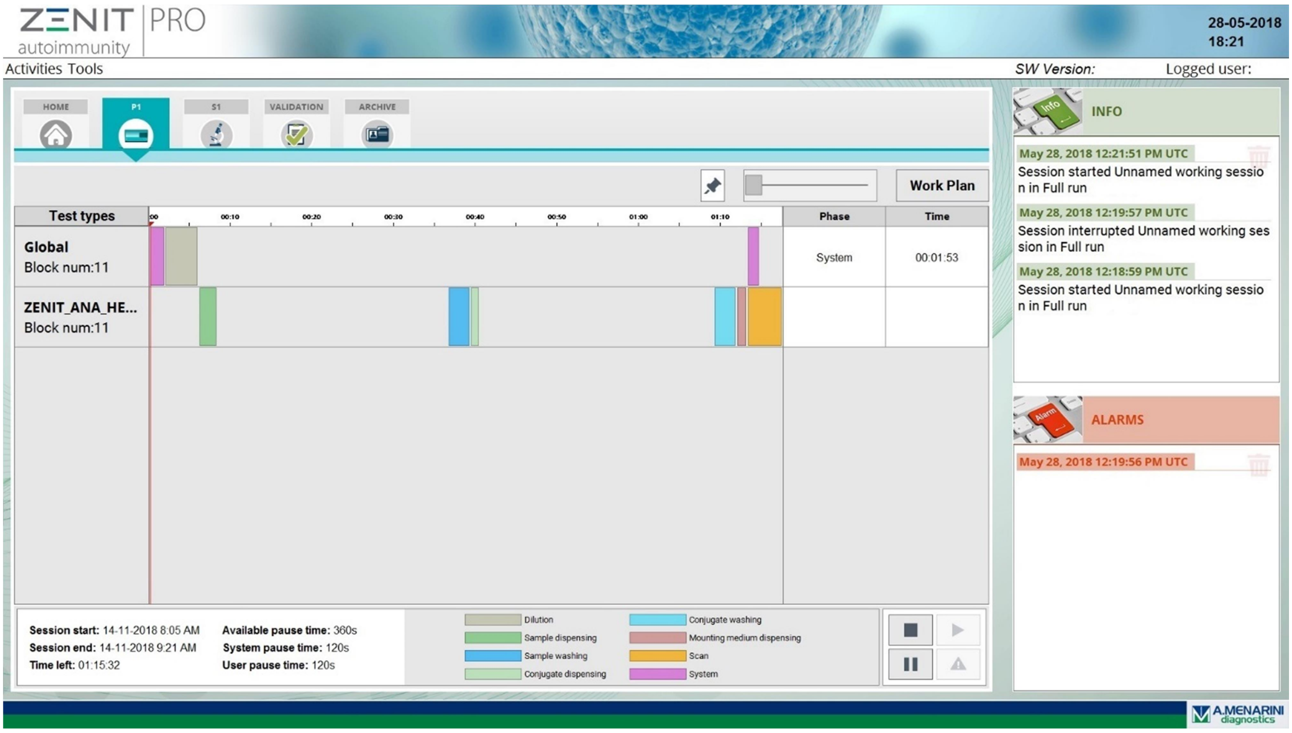
9. *STEP 07: Summary*
   a. A Warning message will pop up to remove slides from slide parking
   b. As soon as all slides are removed, partially remove the rack and reinsert it back. Press **Done**.
   c. Review Summary page and the Used Buffers panel. Check the wash tank and buffer tank(s) are filled at least with the required quantity of buffer. Check the waste tank has sufficient space to accommodate waste

d. 

Enter a Worklist name and press "Print Report" to print a report of the current Full run session.
The Full run session can be saved in pdf or excel format. Save both report on a USB stick, if needed.

e. Press START to start the current Full session

f. FULL RUN PROGRESSION



The Progression page indicates the progression of the current session and shows each phase executed/to be executed with the time needed to complete each.