

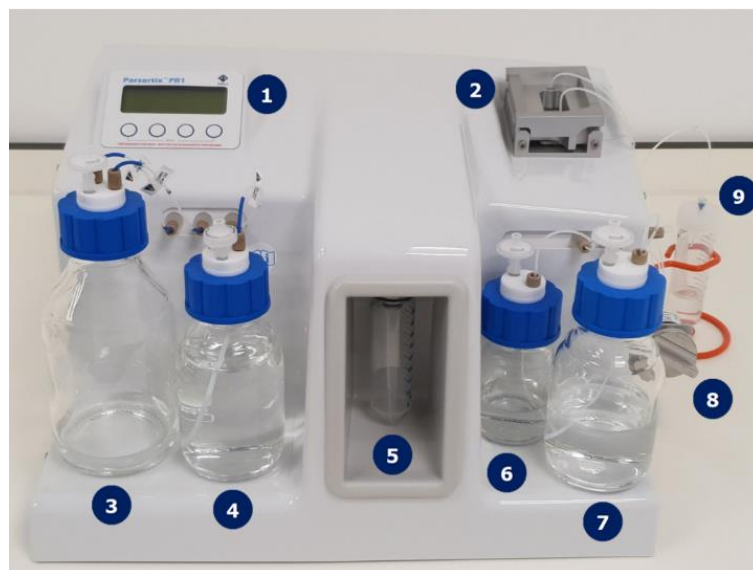
Parsortix® PR1 System Quick Reference Guide



For Research Use Only. Not for use in diagnostic procedures.

System Components

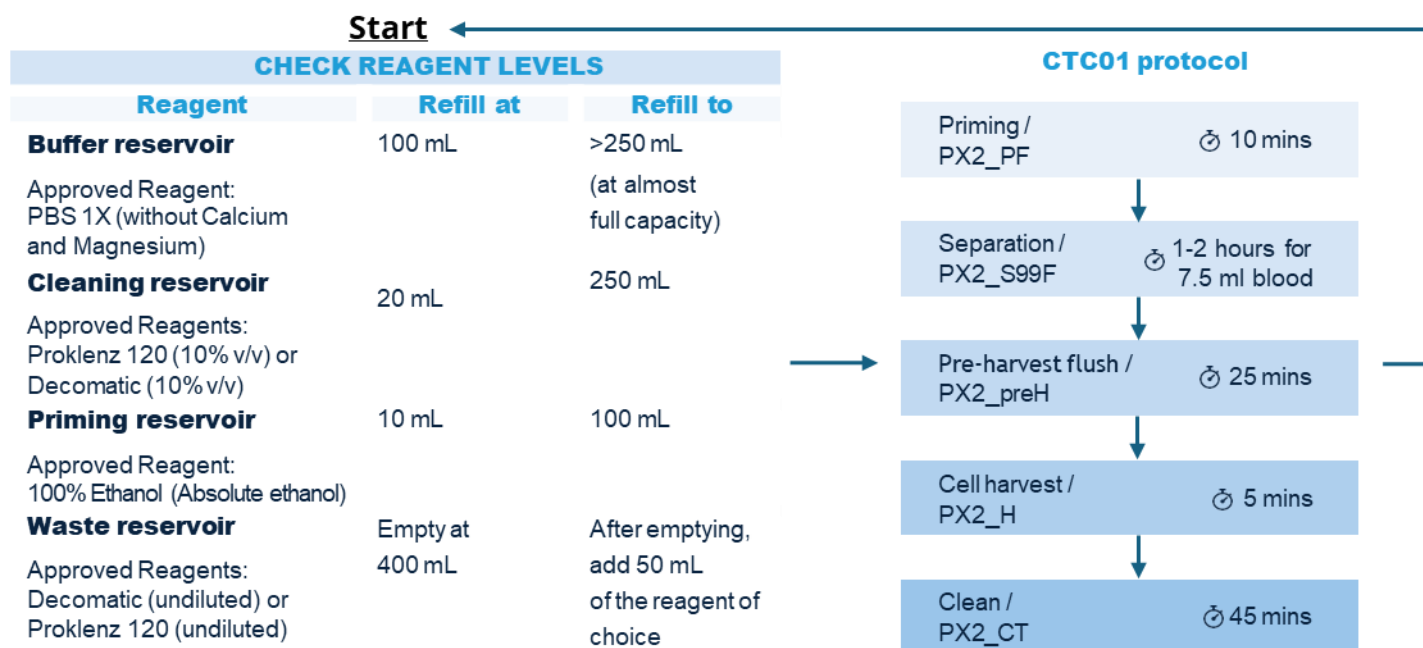
1. Screen and control panel
2. Cassette clamp
3. 500 mL waste reservoir
4. 250 mL buffer reservoir
5. Sample mount with drip tray
6. 100 mL priming reservoir
7. 250 mL cleaning reservoir
8. Harvest valve
9. Harvest line with harvest waste tube



Before you start,...

- ✓ Ensure weekly maintenance has been completed.
- ✓ Ensure instrument has been cleaned within the last 24 hours.
- ✓ Ensure blood is in approved tube (refer to Parsortix Operating Manual) for processing on the instrument and used within the recommended time frame.
- ✓ Invert blood sample 5x to mix blood prior to placing onto the instrument.
- ✓ Ensure the harvest valve is turned clockwise to the 'SEP' position.

Parsortix PR1 System Workflow



- Select protocol **PX2_PF** and press [Run] then [Start].
- At prompt “Insert New Cassette” “Ready”, insert a new separation cassette and press [OK] to start the priming process.
- At prompt “Finished PF” “Back to Main Menu”, press [OK] and [continue] to return to the main menu.

SEPARATION

- Ensure that the harvest valve is in the ‘SEP’ position. Select protocol **PX2_S99F** and press [Run] then [Start].
- At prompt “Rinse vacutainer” “Start?”, partially remove the attached 50 mL falcon tube and press [OK] to start the rinse, collect the fluid in the tube.
- At prompt “Preparing Sample” “Attach Vacutainer...”, remove the 50 mL tube, invert the new sample several times, immediately mount onto the machine and press [OK].
- At prompt “Preparing Sample” “Start?”, press [OK] to start the separation.
- After approx. 30 min, resuspend the settled blood cells by tapping the Vacutainer while it sits in the inclined position.
- At prompt “Finished S99F” “Back to Main Menu”, press [OK] and [continue] to return to the main menu.

PRE-HARVEST FLUSH

- Select protocol **PX2_preH** and press [Run] then [Start].
- At prompt “Insert Cleaning Cass.”, remove the separation cassette and insert the cleaning cassette, press [OK].
- At prompt “Waste empty?”, ensure waste reservoir bottle is less than 400 mL full and press [OK].
- At prompt “Finished preH” “Back to Main Menu”, the flush is complete. Press [OK] and [continue] to return to the main menu.
- Remove cleaning cassette and reinsert separation cassette BEFORE proceeding to cell harvest.

CELL HARVEST

- Select protocol **PX2_H** and press [Run] then [Start].
- At prompt “Rotate valve...” “Anticlockwise”, rotate the harvest valve to the “HAR” position and press [OK].
- At prompt “Harvest” “Start?”, remove the harvest line from the harvest waste tube and clean it with an alcohol wipe.
- Place the tip of the harvest line into a collection vessel (e.g. an Eppendorf tube) and press [OK]. 210 µl will flow through the line.
- Place the harvest line back into the respective waste tube and store the collection vessel containing the harvest sample as appropriate.
- On prompt “Rotate valve...” “Clockwise”, rotate the harvest valve clockwise to the position ‘SEP’ and press [OK].
- At prompt “Finished H” “Back to Main Menu”, press [OK] and [continue] to return to the main menu.

CLEANING

- Select protocol **PX2_CT** and press [Run] then [Start].
- At prompt “Insert Cleaning Cass”, remove the separation cassette, insert a cleaning cassette and press [OK].
- At prompt “Waste empty?”, confirm that the waste reservoir bottle is less than 400 mL full and press [OK].
- At prompt “Finished CT” “Back to Main Menu”, press [OK] and [continue] to return to the main menu.
- Remove the 50 mL Falcon tube from sample mount, use an alcohol-soaked wipe to clean the sample line, and attach a clean 50 mL Falcon tube to the sample mount.
- Empty the fluids from the harvest waste tube.

CTC01

- **CTC01** is a protocol which contains all the above-mentioned processes (priming, blood separation, pre-harvest flush, cell harvest and cleaning) and runs through them automatically without any breaks.
- The relevant prompts displayed for each part are identical to the ones outlined above.
- Using CTC01 reduces the hands-on time for operators.

