

INTENDED USE

EC *Combi Clean* is intended to be used with:

- EC *CL-10 Plus* instrument to perform a deep cleaning of sample dispensing tubing, mixing chamber and measuring electrodes during and/or after use of EC Wine *Combi Test* kit and EC Wine pH/Acidity kit.
- EC Microlab EFA instrument to perform a regular cleaning of measuring electrodes, during and/or after EC Milk and EC Wine analyses at the end of working week as routine maintenance.
- This kit is not to be used in any human clinical or veterinary diagnostic application.
- Part No: 034D

EC Regenerating Solution is intended to be used to perform a regular cleaning of measuring electrodes, during and/or after EC Milk analyses performed with the EC CL-10 Plus, EC CL-10 Micro and EC Microlab EFA instruments. This kit is not to be used in any human clinical or veterinary diagnostic application.

Part No: 034C

KIT COMPONENTS

R1 : Combi Clean solution – Ready to use – 2 × 40 ml

MATERIALS

For the procedure performed with the EC CL-10 Plus
Equipment and materials are listed in the package insert included with EC Wine Combi Test kit and EC Wine pH/Acidity kit
Distilled water

For the procedure performed with the EC Microlab EFA
1 mL vial
Electrode protection solution (i.e. skimmed milk)
Disposable Pasteur pipette
EC Regenerate solution (Part No: 034C)
EC Polif (Part No: 034A)

STORAGE CONDITIONS

The reagent is stable at room temperature.

SAFETY

Good laboratory practice should be employed when using this kit. Safety clothing should be worn and skin contact with reagents avoided. Do not ingest.
Material safety data sheets are available on request.

CLEANING PROCEDURE

The cleaning procedure is performed in the EC CL-10 Plus or the EC Microlab EFA instrument.

Figure 1 defines the different steps of the procedure performed with the EC CL-10 Plus instrument.

Figure 2 defines the different steps of the procedure performed with the EC *Microlab EFA* instrument.

For trouble-shooting and detailed maintenance, please consult the respective instrument operating manual.

Figure 1 – Flowchart for EC CL-10 Plus

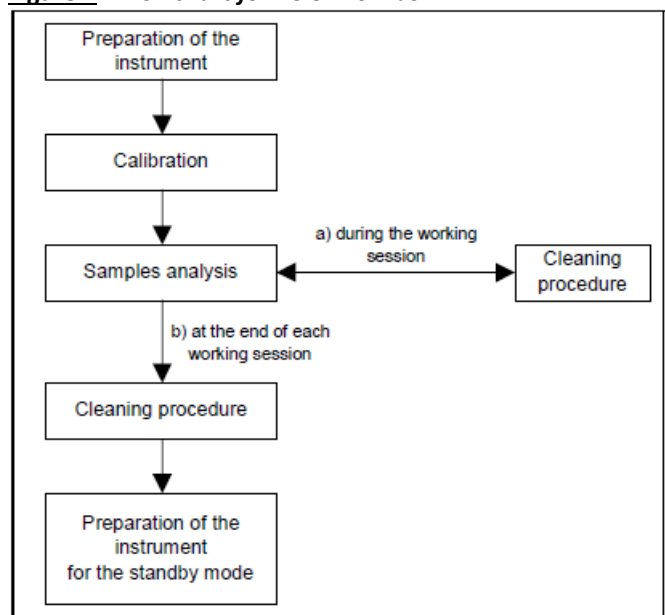
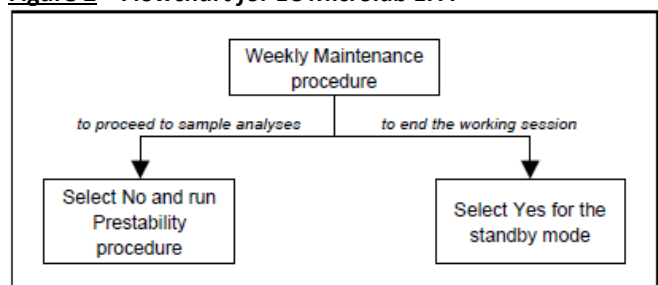




Figure 2 – Flowchart for EC Microlab EFA



A. Cleaning Procedure Performed with EC CL-10 Plus



During the working session

Note: This procedure has to be performed during the working session of EC Wine *Combi Test* kit (Part. No. WCP 678) if a permanent colour and/or the presence of solid particles is observed within the sample tube connected to the AUX pump 5, or if the D1 value among the three methods is unstable (5 mpH) during the measurements.

1. Replace the sample vial with the Combi Clean solution bottle.
2. Insert the AUX needle going into AUX pump 5 into the Combi Clean bottle.
3. In the *File* menu choose *Select method* and click on MIX_CLEAN_R3.MD method.
4. Run *Sample* once using the *GO* icon or the F5 function key. Press *Start measure* and then press *Accept*.
5. After the D1 measurement, at the end of AUX pump 5 rotations, replace the Combi Clean solution bottle with a vial containing at least 5 mL of distilled water. Wait until the end of the run.
-  6. In the *File* menu choose *Select method* and click on the method in use before the cleaning procedure (COMBI_HL or COMBI_ML).
7. Insert the AUX needle going into AUX pump 5 into the vial containing at least 5 mL of reconstituted working buffer.
8. Run *Sample* once using the *GO* icon or the F5 function key. Press *Start measure* and then press *Accept*.
9. Replace the vial containing the reconstituted working buffer with the chosen calibrator, from the EC Wine *Combi Test* kit.
-  10. Proceed to the calibration control, step 19 of the EC Wine *Combi Test* procedure

At the end of each working session of EC Wine Combi test kit

Note: this procedure has to be performed after each working session of the EC Wine *Combi Test* kit (WCP678)

1. Replace the reconstituted working buffer with the reconstituted wash solution from the EC *Polif* kit.
2. Insert the AUX needle going to AUX pump 5 into Combi Clean solution bottle, from the EC *Combi Clean* kit.
3. In the *File* menu choose *Select method* and click on MIX_CLEAN_R3.MD.
4. Run *Sample* once using the *GO* icon or the F5 function key. Press *Start Measure*, then press *Accept*.
5. Replace the Combi Clean solution bottle with a vial containing at least 2 mL of distilled water and insert the starter needle going to enzyme pump 6 and the AUX needle going to AUX pump 5 into the vial.
-  6. Run *Prime enzyme* once using the prime enzyme icon or the F2 function key.
7. Run *Clean* twice using the clean icon or the F3 function key.
8. Check that enough diluted wash solution is left for the estimated stand-by period (the wash cycle automatically runs every 90 minutes and consumes about 5.0 mL of reconstituted wash buffer for each cycle).
-  9. In the *Service* menu, choose *Enter REST mode*
10. Leave the instrument with the power on. Turn the monitor off.

B. Cleaning Procedure Performed with EC Microlab EFA

For instrument regular maintenance

Note: Recommended procedure to be carried out on weekly basis as routine maintenance (it allows electrodes decontamination after intense use).

1. Select the **Maintenance** button from the main **EFA Instrument** window.
2. A **Method Message** window will appear. Press the **Continue** button.
3. Select the **Weekly Maintenance** (option 1) and press OK. A message will appear to confirm the choice: press **OK**.
4. Select the option **1 (Complete Maintenance)** and press OK.
Pipettor (Option 2) may be used when you wish to clean only the needle.
5. A **Method Message** window will appear. Follow the instructions:
 - a) Place a vial containing *Combi Clean Solution* (from EC *Combi Clean* kit, GEN674) in position 12 of the buffer rack.
 - b) Place the *Regenerating Solution* in position 11 of the buffer rack.
 - c) Connect a vial containing wash solution (from EC *Polif.* GEN718) to peripump no. 3 of the measuring unit.
 - d) Place a vial containing 1 mL of *Electrode Protection Solution* (i.e. skimmed milk) in position 1 of the sample rack.
 - e) Press any key.
6. The pipettor will decontaminate the needle and the measuring unit with the *Combi Clean Solution*. A timer will appear indicating the remaining time necessary for the decontamination. Wait for the completion of process.
7. After this step the pipettor will decontaminate the measuring unit with the *Regenerating Solution*. A timer will appear indicating the remaining time necessary for the decontamination. Wait for the completion of process.
8. At the end of the process, the **Maintenance** window appears again. **Abort** the program.
9. A **Method Message** window will appear:
If you intend to leave the instrument in standby mode, select Yes. Turn off the PC and the pipettor arm.

If you intend to proceed to the working session, select No. From the Service menu select Prestability (option 1) and follow the instructions (for the details please consult the instrument operating manual)..

EXP

use before
Date d'expiration

REF

catalogue number
N° dans le catalogue
Store at room temperature
Conserver à température
ambiante



Attention



Notice utilisation
Operation note

LOT

Lot
N° de lot



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