



Agenda of Coatron A training

Required material: Operation manual, Service manual, FB037, Serviceplan, green text marker, allen wrench kit 1.5 -10, screw driver

Application Training: (first day)

1. Optional: Hemostasis basics
2. First Installation and system overview
3. Basic Application: Service, Setup System, Setup Test, Analysis
4. Service menu (Basics)
5. Theory of operation
 - a. Detection principle
 - b. Method clotting, chromogenic, immun, point and DFIB
 - c. Mechanical clotting time
 - d. Correlation adjustment
 - e. Reflex testing (method and unit reflex)
 - f. All other test protocol parameter
 - g. How to change test protocols
6. Calibration of test PT and FIB
7. TECAM Software
 - a. Installation and registration
 - b. Quick tutorial to receive and print results
 - c. Option screen
 - d. Create and run a worklist
 - e. P24b option
 - f. Sample continuous loading
 - g. Detail screen of results
 - h. EDIT screen of order
 - i. Database functions
 - j. Quality control
 - k. Compare LITE, PRO, PROLIS
 - l. Connecting to LIS
 - m. Using patient barcode (internal, external scanner, LIS request)
 - n. Test calibration management with different LOTs
 - o. Control 2 instruments
 - p. Mirror Print
 - q. Translating user dialogue

End of application training

Service Training: (second day)

1. Replacement of components:
 - a. Tube system
 - b. Needle + silicon tube
 - c. Wash
 - d. Syringe
 - e. Valve
 - f. Insulationsblock
 - g. Mainboard
 - h. Optic
 - i. Power supply
 - j. Replace peltier
2. Typical malfunctions
 - a. Level sensor
 - b. Cuvette detection
 - c. Needle clogged
 - d. False results (by levelsensor, optics, cuvette, needle, valve, syringe, wash)
3. Firmware Update
4. Hidden functions
 - a. Change test protocols
 - b. Configure as Close and Open
 - c. Reset to Default
 - d. How to use Barcode
 - e. How to create Barcode
5. Running QCR report (final system check + Mirror print)
6. Reset Service Interval
7. External waste tank
8. Regular maintenance, Service Plan
9. Known problems from field and how to solve
 - a. Cuvette don't stop
 - b. False level
 - c. Robot error
 - d. Unclog needle
10. Reporting problems to Teco
11. Teco download area

End of service training



**MEDICAL INSTRUMENTS,
PRODUCTION + TRADING GMBH**
Web: www.teco-gmbh.com
Email: info@teco-gmbh.com

**DIESELSTRASSE 1
D-84088 NEUFABRN NB**
TEL: #49 8773 7078010
FAX: #49 8773 7078029

COATRON SERVICE PLAN AND REPORT

Model:	Serial - No.:	Firmware Rev.:
Service Interval	☐ yearly ☐ 50.000 ☐ 100.000 ☐ 200.000	
Failure/Repair during service		
Date of service	Service engineer (Name, Company)	Signature/Stamp

Decontamination procedure (weekly or before each service)

yes ☐

- Use 30% diluted bleach and commercial disinfectant (e.g. BacilloI®AF)
- Decontaminate working area, needle area, patient racks, keyboard, LCD screen, front casings, printer and waste drawers

Every year

yes ☐

- Clean and decontaminate instrument yes ☐ no ☐
- Remove syringe and clean plunger and glas with alcoholic solution yes ☐ no ☐
- Clean the fan of power supply with a small brush yes ☐ no ☐

Every 50.000tests or 2 years

yes ☐

Additionally to yearly service

- Replace needle cleaning position yes ☐ no ☐
- Perform a system check according to PA-07-10 (document FB037) yes ☐ no ☐
- Reset service interval yes ☐ no ☐
- Print a service report 2x (Keep one for yourself and fix the other on the rear casing) yes ☐ no ☐

Every 100.000tests or 5 years

yes ☐

Additionally to 50.000 service

- Replace needle yes ☐ no ☐
- Replace syringe yes ☐ no ☐
- Replace valve yes ☐ no ☐
- Replace tubing yes ☐ no ☐
- Replace insulation block yes ☐ no ☐
- Check battery on mainboard (SL 750/PT 3.6V 1.1A) and replace if below 3.3V yes ☐ no ☐

Every 200.000tests or 10 years

yes ☐

Additionally to 100.000 service

- Replace all belts (x,y,z) yes ☐ no ☐
- Replace Z-Pinion yes ☐ no ☐
- Replace Flatcable yes ☐ no ☐
- Replace Y-Pulley yes ☐ no ☐
- Clean all wheels, rollers and guide rails with alcoholic solution and apply silica oil yes ☐ no ☐
- Check Z-Bearing and replace if required yes ☐ no ☐

Reset Service Interval

yes ☐