

UF-1000i Maintenance Checklist

UF-1000i (S/N:)

Revision 6: Dec. 28, 2011

System	Item	Adjustment Value	Check	Perform	Replace
Pre-check	Confirm that UF II Control is within the assay sheet value.	-	☐		
Sample Aspiration Unit	Clean Sample Aspiration Pipette	-		☐	
	Check Sample Filter semiannually	-	☐		☐
	Replace the Sample Filter once a year (BM145402)				
	Clean Rinse Cup	-		☐	
	Check Rinse Cup mounting Plate semiannually Replace the Rinse Cup Mounting Plate once a year (366-1473-5)	-	☐		☐
Reaction Unit	Disassemble and clean SRV	-		☐	
	Clean Reaction Chamber including the overflow nipples and white Teflon rings	-		☐	
Pneumatic Unit	Clean Bellows semiannually Replace the Bellows unit once a year (991-0542-3)	-		☐	☐
	Clean Drain Filter	-		☐	
	Check the pressure level 0.26MPa (0.24 - 0.26MPa)		☐		
	Adjust pressure level 0.05MPa (0.045 - 0.054MPa)		☐	☐	
	Adjust pressure level -0.053MPa (-0.050 - -0.056MPa)		☐	☐	
	Replace Vacuum Head once a year (443-6865-6)	-	☐		☐
	Replace Pressure Head once a year (443-6866-0)	-	☐		☐
	Replace Air Drier Tube once a year (443-2606-1)	-	☐		☐
Hydraulic	Clean Overflow Sensor	-		☐	
	Replace the Sheath Syringe body (943-2234-1) (Every 60,000 cycles or once a year)	-	☐		☐
	Replace Whole Urine Pump seal (346-9357-8) (Every 30,000 cycles or once a year)	-	☐		☐
	Replace Charging Pump seal (346-9357-8) (Every 30,000 cycles or once a year)	-	☐		☐
	Check Waste Line Pinch Tubing of Rinse Cup semiannually, Replace once a year (442-6486-5) (Length 140mm)	-	☐		☐
	Check Pinch Line Tubing of Waste Chambers semiannually, Replace a year (442-6486-5) (Length 250mm)	-	☐		☐
	Check Pinch Tubing's of Charging Lines semiannually, replace once a year (442-6483-4) (SED: Length 40mm) (BAC: Length 65mm)	-	☐		☐
	Clean Flow Cell (using SYSMEX Service Menu Seq.)	-		☐	
Others	Clean inside of the system and Sysmex work area	-	☐	☐	
	Check the system for Leakage	-	☐	☐	
	Replace dirty or damaged Tubing's	-	☐	☐	
	Lubricate Linear Sliders	-	☐	☐	
IPU	Clean the IPU Display	-	☐	☐	
	Vacuum and clean the inside of the IPU	-	☐	☐	
	Backup Data (Service Menu)	-	☐	☐	
Operation	Check/Adjust Aspiration Pipette Position	-	☐	☐	
	Check/Adjust Sample Rotation Unit Position	-	☐	☐	
	Check/Adjust Mixing Speed – Reaction Chamber Target: 1550rpm (1450 - 1650RPM)		☐	☐	
	Check/Adjust Mixing Motor Position		☐	☐	
	Check UF II Control measured data	-	☐		

Optical Alignment	Check 7µm Latex measured data (S_FSC: 115ch±30ch CV<1, 8%)			☐	
	Check 1µm Latex measured data (B_FSC/MFV 90 ± 30ch CV<4,0% & Single peak)			☐	
	Check Fluorescence Latex measured data (S_FLL: 120ch±30ch CV<6.0%)			☐	
	Check Fluorescence Latex measured data (S_SSC: 70ch±30ch CV<6.0%)			☐	
	FLL and SSC CV% must be less than 1.5% difference			☐	
Temperature	Check SED Reaction Chamber (31.5 - 36.5°C)		☐		
	Check BAC Reaction Chamber(37.5 - 42.5°C)		☐		
	Check Sheath Heater (33.5 - 38.5°C)		☐		
	Check Photo-multiplier (33.0 – 37.0°C)		☐		
	Check Pneumatic Unit Duct (15 - 32°C)		☐		
	Check room temperature (below 30°C)		☐		
General	Check Engineering Change Records		☐		
	Perform Operation Check		☐		
	Re-confirm the measured data from Pre-check		☐		
	Perform Quality Control			☐	
	Clean up (Waste Container etc.)			☐	
	Check Accessories		☐		

<Memo>

*: Attach printed data to the check list.

Total Operation Check:

☐ OK ☐ NG

Software Version No.

Customer:

Date:

Engineer:

Note: *SYSMEX recommends the use of a vacuum cleaner with HEPA-filter.*