SYNCHRON LX®i Maintenance Log

Serial #:_____ **System ID:**_____ **Month:**_____ **Year:**_____

LX®i DAILY Access 2

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Check Zone Temperatures																															
Check System Supplies																															
Check Liquid Waste Container																															
System Backup Successful?																															
Inspect Fluidic Module																															
Clean Probe Exteriors																															
Prime Substrate																															
Run Daily Clean System																															
(If Necessary) Perform Special Clean																															
Tech Initials																															

TWICE WEEKLY LX Maintenance

	Week 1 *Date / Initial*	Week 2 *Date / Initial*	Week 3 *Date / Initial*	Week 4 *Date / Initial*
Clean				
• Sample & reagent probes, mixers, EIC and flow cell[2] using Clenz Solution and Sodium Hypochlorite.	_____ _____	_____ _____	_____ _____	_____ _____
• Probes[0] (Exterior)	_____ _____	_____ _____	_____ _____	_____ _____
• CAP Piercer Blades[0] (only systems with 4-blade foil CTS option)	_____ _____	_____ _____	_____ _____	_____ _____

SYNCHRON LX®i Maintenance Log

Serial #:_____ **System ID:**_____ **Month:**_____ **Year:**_____

LX®i WEEKLY Access 2

	Week 1	Week 2	Week 3	Week 4	Week 5
Today's Date					
Clean Instrument Exterior					
Check Waste Filter Bottle					
Clean Primary Probe					
Remove/Clean Aspirate Probes					
Run Daily Maintenance (Initials above)					
Run System Check					
Tech Initials					

Enter the System Check Results in the boxes. Initial the Tech Initials box. Access 2

SYSTEM CHECK RESULTS	Week 1	Week 2	Week 3	Week 4	Week 5
Today's Date					
Washed RLU/%CV					
Substrate RLU/%CV					
Unwashed RLU/%CV					
Wash Efficiency PPM					
Substrate Ratio					
Substrate: Washed Ratio					
Tech Initials					

System Check Expected Results	
Washed Check	
RLU mean	5,000 - 20,000
% CV	≤ 12.00
Substrate Check	
RLU mean	5,000 - 9,000
% CV	≤ 5.00
Substrate Ratio	0 - 1.40
Substrate: Washed Ratio	0 - 1.00*
Unwashed Check	
RLU mean	4 - 10 million*
% CV	≤ 2.00
Wash Efficiency	
PPM	0 - 5.00

* The Substrate: Washed Ratio and the Unwashed Check RLU mean result are not system specifications. They are only reference guidelines.

LX®i WEEKLY SYNCHRON LX®

	Week 1 *Date / Initial*		Week 2 *Date / Initial*		Week 3 *Date / Initial*		Week 4 *Date / Initial*		Week 5 *Date / Initial*	
Check										
• Level of Wash Concentrate II, No Foam and CTS Auto-Gloss	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
• Replace cuvette wiper[1]	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
Clean										
• Total Protein and Albumin Cup Modules[2]	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____

SYNCHRON LX®i Maintenance Log

Instrument Serial #:_____ System ID:_____ Month:_____ Year:_____

LX®i TWICE-MONTHLY SYNCHRON Maintenance - For CTA Refer to IFU

	Date/Initial	*Date/Initial*
Clean • CTA Piercing Probe, Aliquot Probe, Auto-Gloss Dispense Station, Probe Wash Station[0]	_____ _____	_____ _____

LX®i MONTHLY SYNCHRON Maintenance

	Date/Initial	*Date/Initial*
Replace • Alkaline buffer reagent and in-line filter, when completed, check and adjust damper fluid level[2]	_____ _____	_____ _____
Clean • Albumin, BUNm/UREAm (including electrode), Creatinine, Glucose, Phosphorus, and Total Protein cup modules[2]	_____ _____	_____ _____
• CC sample and reagent mixers[0]	_____ _____	_____ _____
• Flow Cell as per Flow Cell Maintenance Procedure using Clenz Solution	_____ _____	_____ _____
• Chloride Electrode	_____ _____	_____ _____
Calibrate • CUPs Lamp/Sensor[2]	_____ _____	_____ _____

LX®i TWO-MONTH SYNCHRON Maintenance

	Date	*Initial*	*Date*	*Initial*	*Date*	*Initial*	*Date*	*Initial*	*Date*	*Initial*	*Date*	*Initial*
Replace • CTS Blade/Wick[0] (only systems with 1-Blade Thick CTS)												
• Blade[0] (Only Systems with Sarstedt S-Monovette® CTS Option)												
Change/clean • Air Filters[0]												

SYNCHRON LX®i Maintenance Log

Serial #:_____ **System ID:**_____ **Month:**_____ **Year:**_____

LX®i THREE-MONTH
SYNCHRON Maintenance Manual Reference Chapter 6

	Date	*Initial*	*Date*	*Initial*	*Date*	*Initial*	*Date*	*Initial*
Replace • Sample (100µL) and reagent (500µL) syringe plunger rod with attached tips[1]								

FOUR-MONTH MAINTENANCE MANUAL REFERENCE CHAPTER 7

	Date	*Initial*
Replace • Blades[0] (Only Systems with 4-Blade Foil CTS Option)		
Clean • MC Reagent Lines, Cups and Stir Bars[2]		

ELECTRODES/SENSOR/PARTS REPLACEMENT
SIX-MONTH SYNCHRON Maintenance

	Date / Initial	***Electrodes/Sensor Number***	**Date / Initial**	***Electrodes/Sensor Number***
Replace				
• Potassium electrode tip (P/N 669117)[2]	_____ _____	_____ _____ _____ – _____ _____ _____	_____ _____	_____ _____ _____ – _____ _____ _____
• Calcium electrode tip (P/N 467769)[2]	_____ _____	_____ _____ _____ – _____ _____ _____	_____ _____	_____ _____ _____ – _____ _____ _____
• AccuSense™ glucose sensor (P/N 467432)[2]	_____ _____	_____ _____ _____ – _____ _____ _____	_____ _____	_____ _____ _____ – _____ _____ _____

LX®i ONE-YEAR
SYNCHRON Maintenance - For CTA Refer to IFU

	Date	*Initial*	*Date*	*Initial*	*Date*	*Initial*	*Date*	*Initial*
Replace								
• CTA Aliquot Probe and Piercing Probe[0]								
• CTA Syringes[0]								

Following specific maintenance procedures, calibration and controls may be required. A code is displayed for each procedure to show the minimum requirements following maintenance: 0 = No action, 1 = Run Controls**, 2 = Calibrate and Run Controls.

*Maintenance procedure frequencies may vary depending upon individual laboratory workload volumes. These frequencies are based on the number of samples per day an average laboratory may process, approximately 400 samples/day.

**It is assumed that if controls are out, a Level 2 will occur.

SYNCHRON LX®i
CLINICAL SYSTEM LOG

INSTRUMENT S/N_____
MONTH_____ YEAR_____

DATE	SERVICED BY	PROBLEMS OBSERVED	DESCRIPTION OF MAINTENANCE/SERVICE