

**Berlioz 410 analyzer
Preventative Maintenance Reference Guideline**

Account Name: Hospital de Cerro Chato

Account Number: 123456

Analyzer S/N: 3749-19

Current Year: 2015

	Service Order Number	PM Date	Instrument Test Counts	Cell Test Counts
First PM:	PMO 4321	18/07/2014	150.000	45.000
Second PM:				

				1 st PM	2 nd PM
1	Reagent Prep for Assay Performance Checks	Each PM	Equilibrate	<input type="checkbox"/>	<input type="checkbox"/>
2	Print Alarm Trace for previous 5 days, clean printer	Each PM	Print and Review	<input type="checkbox"/>	<input type="checkbox"/>
3	Power off, clean/remove covers, vacuum analyzer	Each PM	Clean	<input type="checkbox"/>	<input type="checkbox"/>
4	Clean DI water bottle	Each PM	Clean	<input type="checkbox"/>	<input type="checkbox"/>
5	DI water bottle valve body	Each PM	Replace	<input type="checkbox"/>	<input type="checkbox"/>
6	Water filter at pump	Each PM	Check	<input type="checkbox"/>	<input type="checkbox"/>
7	Solenoid valve O-rings	Yearly	Replace	<input type="checkbox"/>	<input type="checkbox"/>
8	Check pinch valves and Tube Joint B	Each PM	Check	<input type="checkbox"/>	<input type="checkbox"/>
9	Pinch Valve Tubing	Each PM	Replace	<input type="checkbox"/>	<input type="checkbox"/>
10	Syringe Seals and packing	Each PM	Replace	<input type="checkbox"/>	<input type="checkbox"/>
11	Syringe Assembly	Yearly	Clean	<input type="checkbox"/>	<input type="checkbox"/>
12	Waste Tubing and Tube Joint C	Each PM	Check	<input type="checkbox"/>	<input type="checkbox"/>
13	Measuring Cell	Yearly	Replace	<input type="checkbox"/>	<input type="checkbox"/>
14	Tube BW for Measuring Cell	Yearly	Replace	<input type="checkbox"/>	<input type="checkbox"/>
15	Tube B for Sipper Syringe	Yearly	Replace	<input type="checkbox"/>	<input type="checkbox"/>
16	Sipper Probe	Each PM	Clean and Check	<input type="checkbox"/>	<input type="checkbox"/>
17	Sipper Probe Seal - Black Tubing	Yearly	Replace	<input type="checkbox"/>	<input type="checkbox"/>
18	Sipper Assembly	Yearly	Clean	<input type="checkbox"/>	<input type="checkbox"/>
19	Sipper Rinse Station	Each PM	Clean/Replace	<input type="checkbox"/>	<input type="checkbox"/>
20	S/R Probe	Each PM	Clean	<input type="checkbox"/>	<input type="checkbox"/>
21	S/R Probe Seal	Each PM	Replace	<input type="checkbox"/>	<input type="checkbox"/>
22	S/R Tube 465 - through pulleys	Each PM	Replace	<input type="checkbox"/>	<input type="checkbox"/>
23	S/R Tube 510 - to Pressure Sensor	Each PM	Replace	<input type="checkbox"/>	<input type="checkbox"/>
24	S/R Assembly	Yearly	Clean and Check	<input type="checkbox"/>	<input type="checkbox"/>
25	S/R Rinse Station and drain	Each PM	Clean	<input type="checkbox"/>	<input type="checkbox"/>
26	Mixer Rinse Station	Each PM	Clean	<input type="checkbox"/>	<input type="checkbox"/>
27	Mixing Paddle	Each PM	Clean	<input type="checkbox"/>	<input type="checkbox"/>

				1 st PM	2 nd PM	
28	Mixer Belt	Each PM	Replace	<input type="checkbox"/>	<input type="checkbox"/>	
29	Cap Open/Close Assembly	Yearly	Clean and Check	<input type="checkbox"/>	<input type="checkbox"/>	
30	Liquid Waste Sensor	Each PM	Clean	<input type="checkbox"/>	<input type="checkbox"/>	
31	Incubator	Each PM	Clean	<input type="checkbox"/>	<input type="checkbox"/>	
32	Cup/Tip Tray and Waste Box mechanism	Each PM	Clean	<input type="checkbox"/>	<input type="checkbox"/>	
33	Gripper assembly	Each PM	Check	<input type="checkbox"/>	<input type="checkbox"/>	
34	Gripper Fingers	Each PM	Clean	<input type="checkbox"/>	<input type="checkbox"/>	
35	Gripper Spring	Yearly	Replace	<input type="checkbox"/>	<input type="checkbox"/>	
36	Rack Loader assembly - if applicable	Each PM	Clean	<input type="checkbox"/>	<input type="checkbox"/>	
37	Clean BCR windows	Yearly	Clean	<input type="checkbox"/>	<input type="checkbox"/>	
38	Use e411 Tools program on reagent database	Each PM	Perform	<input type="checkbox"/>	<input type="checkbox"/>	
39	Prime Entire System Power On	Each PM	Prime	<input type="checkbox"/>	<input type="checkbox"/>	
40	Mixing Speed (RPMs)	Each PM	Adjust	<input type="checkbox"/>	<input type="checkbox"/>	RPM
41	S/R Probe Voltage	Each PM	Adjust	<input type="checkbox"/>	<input type="checkbox"/>	VDC
42	Sipper Probe Voltage	Each PM	Adjust	<input type="checkbox"/>	<input type="checkbox"/>	VDC
43	Clot Detect Voltage	Each PM	Adjust	<input type="checkbox"/>	<input type="checkbox"/>	VDC
44	Gripper and Probe adjustments	Each PM	Check	<input type="checkbox"/>	<input type="checkbox"/>	
45	Run APC tests	Each PM	Check	<input type="checkbox"/>	<input type="checkbox"/>	
46	Run all QC	Each PM	Check	<input type="checkbox"/>	<input type="checkbox"/>	

Work performed per requirements

FSR Name:

FSR Signature: Date:

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