

שער יוקנעם בנין תבור ת.ד 595 יוקנעם עילית 20692. טל. 04-9099100 פקס. 04-9591982

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Preventive Maintenance Form-IH1000

ustomer Name: Date:_ <u>/_/</u>		Date: <u>//</u>				
nstrument s/n:		Next Maintenance:/				
Last Update: 20.03.2018						
Comment	Value:	Checked/ Done:	Remarks			
1. External checks						
1.1 General cleaning						
1.2 Monitor (cables and touch)						
1.3 UPS and battery connector						
1.4 Front lower doors (balance & strength)						
2. Software & Computer						
2.1 Operation system		Windows version:				
2.2 Software version IH-1000			Version:			
2.3 Software version IH-Com			Version:			
2.4 Calibration files backup (15 files) on D\: drive						
2.5 Hard disk available space on Master (Min 100GB)			Free space:GB			
2.6 Hard disk available space on Automate (Min 100GB)			Free space:GB			
3. Centrifuges Module		<u> </u>				
3.1 Trapdoor cleaning & Lubrication (3 centrifuges)						
3.2 Holders cleaning & check (3 centrifuges)						
3.3 Bowls &seal cleaning & check (3 centrifuges)						
3.4 Belt tension (3 centrifuges On Clasic Ver only)						
3.5 Left centrifuge speed (1008 rpm ±0.5%)			<u>:ב:</u>	מס' מד א		
3.6 Middle centrifuge speed (1008 rpm ±0.5%)						
3.7 Right centrifuge speed (1008 rpm ±0.5%)						
4. Incubators Module (RT, 37°C, S.R)						
4.1 Cleaning (RT, 37°C, S.R)						
4.2 Card levers check (37°C)						
4.3 Verify 37°C in position 1 (38 ±1°C)			<u>'ב:</u>	מס' מד א		
4.4 Verify 37°C in position 14 (38 ±1°C)						
4.5 Verify 37°C in position 28 (38 ±1°C)						







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Comment	Value	Checked/ Done	Remarks
5. Transport assembly			
5.1 Clean & check tightening of laser barcode			
5.2 Clean& check tightening of ID Cards presence			
5.3 ID Cards presence sensor calibration (72+3mm)			
5.4 Clean & check tightening of grippers of presence sensor card.			
5.5 Clean the XYZ optical rulers			
5.6 Visual check of the flat cable, clean & lubricate In all axis (X,Y,Z)			
5.7 Visual check of the cable inside the gripper			
5.8 Visual check of the belts (X,Y,Z)			
5.9 Cards transport (48 cards in all the models)			
6. Identification station			
6.1 Clean and check tightening of background screen.			
6.2 Clean and check tightening of rack type sensor.			
6.3 Clean and check tightening of rack presence sensor			
6.4 Clean and check the home sensor			
6.5 Check USB camera (picture)			
6.6 Open upper panel and check the cables			
7. Reading Module			
7.1 Check card transport shuttle and spring			
7.2 Clean lighting diffuser			
7.3 Clean and calibrate USB camera if necessary			
8. Piercing Module			
8.1 Clean ID card piercing array			
8.2 Clean antistatic system4kv			
8.3 Clean optical sensor			
8.4 Replace balancing cards			
9. Hydraulic			
9.1 Needles check in the right & left side			
(Clean inside and outside and calibrate)			
9.2 Diluent piercing check in the right& left side(Clean, check and calibrate if necessary)			







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Comment:	Value:	Checked/ Done:	Remarks:		
9. Hydraulic					
9.3 Clean the XYZ optical rulers					
9.4 Replace Hose for Peristaltic pump Cartridge					
Part number 2800854					
9.4 Visual check of the flat cable, clean & lubricate					
9.5 Visual check of the belts (X,Y,Z)					
9.6 Washing (long)- 4 times					
9.7 Clean the washing station left					
9.8 Clean the washing station right					
10. Racks for sample, diluents and reagents					
10.1 Samples racks check					
10.2 Diluents racks check					
10.3 Reagents racks check					
11. Functional checking's					
11.1 Real batch (QC or real Batch)					

Parts replaced:				
Serial number:	Description:	Quantity:		
	<u>'</u>			
Comments:				
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Service Engineer Name:	Service Engineer signatu	ro.		
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