FORM NO .: SD/02/02



Customer Support Toll free No. 1800-103-8182

E-Mail: customer_support@nihonkohden.in

NIHON KOHDEN INDIA PRIVATE LIMITED

Installation Completion - Handover Acceptance Report

	N1 1	11-1-1		CUSTO	OMER CODE:				-	7
CUSTOMER NAME		linical L		y (FOR	OFFICE USE O	NLY)		CONTRACTOR OF THE PARTY OF THE		
	10-7/8, SUN						MANUAL CONTRACTOR OF THE PARTY	-		
THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	elicum. Mumb	au STATE: MO			PIN:		(600			
TEL./MOB. NO. 28	15692	FAX:	E-MA	11: minulab	@ rediff	maul	·com		Market Strategy at the Control of th	
DEALER NAME:			CITY					THE COUNTY OF THE PARTY OF THE		
EQUIPMENT C	BC		MODEL	cnek 130	THE PARTY OF THE P					
SL. NO. 224			CALL NO	TIFICATION NUME	BER IN		NT INSTALLA DD/MM/YYYY			
S/W VER.:					1	3	09	20	2 1	
IF INSTALLATIN	IG MORE THAN ONE IN	STRUMENT, PROVIDE	DETAILS IN BELOW	TABLE, MAKE SUF	E TO USE SE	PARATE F	EPORT FOR	EACH MODE	L	1
SERIAL NO.	S/W VER	SERIAL N	o. s/	W VER	SERIAL	VO.		S/W VER		
WARRANTY PERIOD:	FROM- 13-	THE RESERVE AND ADDRESS OF THE PARTY OF THE	UP TO- 12	-09-23.	tone yes	n ch	ne giren	ph was	diguip	ghog noth
SITE OUTPUT VOLTAG	E: 2 28V POWE	R SOURCE:	SITE GROUND	VOLTAGE: 1	<i>,</i>	MBIENT	TEMP 23	° 6		
									CHICKNET MARKET LANGUAGE SCHOOL SCHOO	
REMARKS:										
	AL STATUS OF INSTRU							-		
	tallation, a	Management of the Parket Street, Stree	STORY OF THE PARTY	NAME AND POST OF THE PARTY OF T	THE RESIDENCE TO THE PERSON NAMED IN	cheel	Committee of the second second second	contro		1
readings	are in s	pecifical m	ange. Mo	ichine is	wak	ing	ok G	Lave W	W.	1
tocuring t	o contomer	· Handedo	rer all	accessor	ry to	Cur	tomes e	esper	OBF	
TEST PERFORMED (I	UNDLY ATTACH THE RE	SULT PRINT COPY):			www.manusen.wagaentoke					-
TEST NAME		RESULT				REMAI	RK			
controls	2									1
CRU	g ok			-				anie owner one, no space	organismus prosessus and the	1
Clou] 						March Color (1905)		errodressa esta a Cavillo e de Assesso e da Affia e d	-
										-
TRAINING GIVEN TO:										1
ENGINEER'S REMARKS	8:				***************************************	in the second se				
W.										
THE INSTRUMENT(S) A	ND ACCESSORIES HAV	E BEEN RECEIVED AN	D INSTALLED IN ACC	ORDANCE TO TH	E SPECIFICAT	IONS, TH	E PERFORMA	NCE OF THE	THE RESERVE OF THE PARTY OF THE	
INSTRUMENT IS SATIS		711								
CUSTOMER'S REM	IARKS:						-	ANICOLASIO MERCIA		
			A or	7			380R	ATORY		
	21.1		die.	CENT		COCCUMENTAL	131		211	1
ENGINEER'S SIGNATUR	KE GORALA	CUSTOMER'S S	SIGNATURE CHILARA 13/9/24	8. 7.	DEALER'S SIG NAME;	NATURE	O INIO)	ON MOTOR	
DATE: 13 - 0 1	. Jugaria	Dr. Dr.	11/0/2	\mathcal{M}	DATE		PAI	* + BORNE	139	
DATE: 13-09,	21	DATE:	15111	, '	DATE:		1	SELLOW ! WATER STATE OF THE PERSON NAMED IN COLUMN		1

NIHON KOHDEN INDIA PRIVATE LIMITED

	TECHNICA	L SERVICE RE	PORT TOLL	FREE NUMBER:	1800 103 8182
147304		RM NO.: CS/02/01	· · · · · · · · · · · · · · · · · · ·		
	ce Notification Nu				stomer ID:
CALL ATTEND DATE: 13-09-21 TIME:	10:25		SE DATE: 13-0	19-21	TIME:
Lab/Hospital Name: Miny Chinical	Laborator				
Address: Shop no -7/8, Surtlower, Roya		Eksar Rd, 8	borivali'u		In Pall abonto
City: Mumbar State: Maharashbra	Pih: 40	1009			BREAKDOWN
Contact Person: •	Department				P.M.S
Tel./Mob.No.: 26915692 Email	ld: minulal				APPLICATION
EQUIPMENT STATUS: WARRANTY		AMC/CMC/RENTAL/DE		CHARGABLE CALL	
AMC/CMC/WARRANTY PERIOD: FROM 13-09-21	+oneyear	12.09.23	EXPIRED ON:	On our	
SITE VOLTAGE: L-N: 2 18 VAC L-G	29	N-G come VARY	STABILIZER	UPS: 0 I	□ N
SITE CONDITION:					
SITE RECOMANDATION		-5: 15:5			
EQUIPMENT NAME: C&C	MODEL: 1	MEK 1305	SR. NO.: 22	-4	
PROBLEM REPORTED: Thallation					
PROBLEM OBSERVED:					
ACTION TAKEN Done infallation.	Done Co	elibration o	hedred	controls, re	adings are
a specified range Machi	ne is	wating ok	Gare use	1 mounin	1 to customin
Handedorn all accessor	y to	customer	as per o	BF	0
			1		
FUNCTIONINGS STATUS & SERVICING CHECKLIST OF MEK SI	ERIES (Mandatory):	Y			
Normal Startup OK N.OK Rinsing unit clean	□ Y □ N	Hb LED ON	Volts	WBC L-manometer	Volts Fac.
Pump Tube checked OK N.OK Strong Cleaning	\square Y \square N	Hb LED OFF	Volts	WBC U-manometer	Volts Fac.
All Tubes Status OK Normal Cleaning	□ Y □ N	RBC Electrode	Volts	RBC L-manometer	Volts Fac.
Display Contrast OK N.OK Filters Cleaning	□ Y □ N	WBC Electrode	Volts	RCC L-manometer	Volts Fac.
Priming Check OK N.OK Bath cleaning	\square Y \square N	Background Noise	□ Y □ N	Circuit Check	OK N.OK
Partical Test OK N.OK Apertur Cleaning	□ Y □ N	Mechanical Scaling	□ Y □ N	Touch Screen	□ OK □ N.OK
Fine gain adjust OK N.OK Flowcell Cleaning	□ Y □ N	Mechanical Cleaning	□ Y □ N	Background Noise	OK N.OK
Sampling Nozzle OK N.OK Air pressure	□ Y □ N	Sensitivity & Thrd.	\square Y \square N	Valve Check	OK N.OK
Input CAL data: WBC- RBC- Dilute	er- Y	Diluent Volts-	Factor-	Lyse: Volts-	Factor-
ACCESSORIES USED BY CUSTOMER (FOR ME & NEURO):	☐ OF	RIGINAL	☐ THIRD PART	Υ	Volts- Fac.
Details of Test performed (Please attach the instrument	t generated resul	t printout):			
TEST DESCRIPTION RESULT	OBTAINED			REMARKS	
controls & ok					
CBC					
0	Following parts	replaced/ need to be	replaced	1	4
PARTS CODE DESCRIPTION	QTY.	OLD SPARE	S SRL NO.	NEW	SPARES SRL NO.
		•			
0.0					
Above parts are on Free of Cost will be inv	oiced to Customer				
NOS. OF SAMPLE/DAY: 15 NOS.	of ICU BED:				CONTRACTOR OF THE PARTY OF THE
Engineer's Remarks:		Customer's remarks:		1/15	DRATORY
Dinuh		0	MAY		
NKI Engineer's Name: Putesh & Pagaheria Cust	omer's Name	-MIMA.	Name of Bio	omedical Engineer	1 31
Signature Signa	ature M	W.	Signature	NIO.	MAMBIN

WHITE: CUTOMER, FINK: HO, YELLOW: ENGINEER

N.B.: Please ansure filling and sending of Installation Chack list along with report at the time of installation.

Subject to Gurugram Jurisdiction



Input data



Instrument Name

Automated 3 Part Cell Counter

Make Model Nihon Kohden

MEK-1305 224

Serial no

13th Sep 21

Calibration date Installation place

Minu Clinical Laboratory



Name: Ritesh Pagdhare Designation: Sr. Engineer CS





Calibration Data

Instrument Name

: Automated 3 Part Cell Counter

Make

: Nihon Kohden

Model

: MEK-1305

Serial no

: 224

Calibration date

: 13th Sep 21

Installation place

: Minu Clinical Laboratory

CALIBRATION RUN DATA							
Sample No.	WBC	RBC	HGB	HCT	PLT		
1	8.89	4.61	13.46	45.8	253.8		
2	8.84	4.63	13.42	46.9	249.3		
3	8.95	4.68	13.48	47.7	247.9		
4	9.07	4.68	13.43	47.3	253.3		
5	8.94	4.67	13.25	47.2	246.1		
6	8.90	4.67	13.38	47.4	239.6		
7	9.08	4.61	13.34	47.3	243.1		
8	8.94	4.59	13.26	46.3	240.7		
9	8.97	4.71	13.31	47.5	246.7		
10	9.13	4.68	13.35	47.2	246.5		
Mean	8.97	4.41	13.37	47.16	246.70		
SD	0.09	0.04	0.08	0.40	5		
CV%	1.04	0.90	0.60	0.8	1.9		

Acceptable CV%	Within 2.0%	Within 1.5%	Within 1.5%	Within 1.5%	Within 4%
Result status	PASS	PASS	PASS	PASS	PASS

^{*}Precision study performed on the analyzer using a blood samples.

For Nihon Kohden India Pvt. Ltd.

Name : Ritesh Pagdhare
Designation - Sr. Engineer CS



Precision Check Data

Instrument Name : Automated 3 Part Cell Counter

Make : Nihon Kohden

Model : MEK-1305

Serial no : 224

Calibration date : 13th Sep 21

Installation place : Minu Clinical Laboratory

	PRECISION RUN DATA						
Sample No.	WBC	RBC	HGB	нст	PLT		
1	7.01	4.83	12.82	39.4	404.9		
2	7.06	4.82	12.77	39.3	386.8		
3	6.84	4.77	12.85	38.9	398.9		
4	6.94	4.86	12.89	39.6	375.6		
5	6.94	4.86	12.91	39.2	381.6		
6	7.13	4.81	12.91	39.7	380.7		
7	6.92	4.86	12.79	39.6	389.1		
8	6.84	4.85	12.89	40.0	383.7		
9	7.08	4.78	12.84	38.8	402.4		
10	7.01	4.81	12.87	39.2	388.3		
Mean	6.98	4.73	12.85	39.4	389		
SD	0.10	0.0	0.05	0.4	10		
CV%	1.41	0.7	0.38	0.9	3		

Acceptable CV%	Within 2.0%	Within 1.5%	Within 1.5%	Within 1%	Within 4%
Result status	PASS	PASS	PASS	PASS	PASS

^{*}Precision study performed on the analyzer using a blood samples.

For Nihon Kohden India Pvt. Ltd.

Name: Ritesh Pagdhare

Designation Engineer CS



Certification of Calibration

Instrument Name

: Automated 3 Part Cell Counter

Make

: Nihon Kohden

Model

: MEK-1305

Serial no

: 224

Calibration date

: 13th Sep 21

Installation place

: Minu Clinical Laboratory

This is to certify that the above mentioned instrument has been successfully calibrated on 13th Sep 2021 with MEK-CAL lot no-PLUS 219 bearing expiry till 5th Oct , 2021. During the calibration of the analyser, all CBC parameters were calibrated.

Ran Quality Controls MEK-3D (Low, Normal, and High) Lot no-218 bearing expiry of 5th Nov 2021, Result found within specified range.

Based on the manufacture recommended calibration interval the next due date of calibration is on 12th Sep 2022. Validity \pm 30days. Or depends on QC performance/subject to replacement or change in hardware.

For Nihon Kohden India Pvt. Ltd.

Name : Ritesh Pagdhare Designation : Sr. Engineer CS





Installation Qualification

Operation Qualification

8.

Performance Qualification

Instrument Name		Automated 3 Part Cell Counter
Make	:	Nihon Kohden
Model	:	MEK-1305
Serial no	:	224





Validation Report

Instrument Name	:	Automated 3 Part Cell Counter
Make	:	Nihon Kohden
Model	:	MEK-1305
Serial no	:	224
Supplier Name	:	Nihon Kohden India Private Limited
Contact Name & Address	:	Minu Clinical Laboratory





Approval of IQ/OQ/PQ Procedure

Both Minu Clinical Laboratory and Nihon Kohden India Private Limited jointly resposible for the installation of Automated 3 Part Cell CounterMEK-1305 (224) in the pathology laboratory

VALIDATION TEAM FROM VENDOR:	AL INC
Name : Ritesh Pagdhare	DENTINOS
Designation : Sr. Engineer CS (9	132
Signature : Z	KINDY JA
Nihon Kohden India Private Limited	
VALIDATION TEAM FROM PATHOLOG	Y LABORATORY:
Name :	
Designation :	
Signature :	
Date:	
CUSTOMER AUTHORIZATION:	
Name :	
Designation :	in the second contract of the second contract
Signature :	
Date :	



II. INSTRUCTIONS

This document is to be completed at the time the instrument is installed at its current location Minu Clinical Laboratory and set up for operation.

An authorized (Company) representative will check the instrument and enter the specific data related to installation, operational and performance qualification.

- Employee of Pathology laboratory will verify each result and sign the result.
 Validation team will carry this out.
- All validation from the normal specification to include and problems with installation will be noted under COMMENTS.

III. SCOPE

This installation qualification protocol is performed on the Automated 3 Part Cell Counter MEK-1305 (224) located in pathology.

This protocol defines the documentation that is used to evaluate the instrument installation in accordance with the manufacturer's specifications and intended usage.

Successful completion of this protocol verifies that this instrument has been installed, operated in accordance with the intended usage.

Installation checks are performed to verify that the instrument has been installed with proper connection and utilities.

Operational qualification will evaluate the instrument have operational features available for the successful operation of instrument in accordance with the manufacturer's specifications.

Performance qualification will verify the actual functioning or performance of instrument manufacturer's specifications.





IV. CERTIFICATE OF PURCHASE ORDER COMPLIANCE:

I certify to the best of my knowledge, the instrument Automated 3 Part Cell Counter MEK-1305 (224) has been installed in pathology is in compliance with the specification of the agreement order

V. INSTRUMENT DESCRIPTION:

S.no.	Instrument identification	Verified	Date
1	Automated 3 Part Cell Counter	Yes	6th Aug-21
2	Nihon Kohden	Yes	6th Aug-21
3	Model:MEK-1305	Yes	6th Aug-21
4	Instrument ID	Yes	6th Aug-21
5	Serial no.224	Yes	6th Aug-21
6	Size : As per specification given	Yes	6th Aug-21
7	Power : As per specification given	Yes	6th Aug-21

VI. UTILITIES:

S.no.	Instrument identification	Yes/No	Date
1	Environmental condition as required. (Free from dust, electrical and magnetic interference) Temperature: 15 – 30 OC Humidity: 30 to 85 % non condensing	Yes	6th Aug-21
2	Adequate space for installation: (As per the specification given)	Yes	6th Aug-21
3	Electrical Outlets: Actual voltage on site (228 VAC)	Yes	6th Aug-21
4	Grounded	Yes	6th Aug-21
5	Connected through UPS	Yes	6th Aug-21
6	Waste Liquid	Yes	6th Aug-21





VII. THE INSTRUMENT HAS BEEN CHECKED FOR THE FOLLOWING:

S.no.	Instrument identification	Yes/No	Date
1	Instrument is identified	Yes	6th Aug-21
2	Manufacturer's specification are included	Yes	6th Aug-21
3	Accessories / Consumables are listed	Yes	6th Aug-21
4	Equipment manual from the manufacturer	Yes	6th Aug-21

ACCESSORIES / CONSUMABLES:

The following accessories were supplied with the instrument

Description	Qty	Verified by	Date
ccessories box	1	Yes	6th Aug-21
-			

VIII. LIST OF MANUALS AND CERTIFICATES

Supplier provided the following with the instrument

S.no.	Particulars	Available or not	Date
1	Operating Manual	Yes	6th Aug-21
2	Invoice	Yes	6th Aug-21
3	Safety instruction (equipment manual)	Yes	6th Aug-21
4	Training records	Yes	6th Aug-21
5	if any other	NO	6th Aug-21

IX. MAINTENANCE:

The instrument listed within this document will be placed under the control of Minu Clinical Laboratory Pathology laboratory institution with respect to proper maintenance procedure as detailed in the operator's manual.

A trained analyst using the manual provided with the instrumentation can perform basic and operation maintenance. Upon expiration of the warranty period vendor will offer.

Several levels of maintenance agreement and performance testing service to assist you in maintaining compliance. Contacting your local representative and requesting the additional service agreement can supply additional information.





X. INSTALLATION PROCEDURE:

- Installation of Hardware and Software
 Follow the instruction mentioned in the installation guide.
- 2 Installation of Printer Follow the instruction mentioned in the installation guide.

Operation Qualification:

Instrument Name		Automated 3 Part Cell Counter
Make	:	Nihon Kohden
Model		MEK-1305
Serial no		224

XI. OPERATIONAL QUALIFICATION:

Following features/ functions are available in the instrument as per manufacturer's specification and verified e.g. Start-up, Calibration, quality control, maintenance checks.

S.no.	Test Name	Y/N	Test Procedure	Date
1	Start up	Yes	Retest Testing	6th Aug-21
2	Calibration Feature	Yes	Calibration Performance	6th Aug-21
3	Quality Control	Name and Address of the Owner, where the Owner, which is the Owner, where the Owner, which is the Owner, where the Owner, which is th	Control Running	6th Aug-21
4	Maintenance	No.	Operation Maintenance	6th Aug-21

Printouts of the above features / tests attached (Yes/No)

Yes





CERTIFICATE OF TRAINING:

1. Operator and Maintenance Training

This certifies that the technicians listed below have received basic user training for the system described.

S.no.	Training Program	Signature	Date
1	Instrument Set-up	Yes	13th Sep-21
2	System Operation	Yes	13th Sep-21
3	Basic troubleshooting	Yes	13th Sep-21

Traning given by : Name : Ritesh Pagdhare

Designation: Sr. Engineer CS

Training attended by : Dr Chirag Shah



Performance Qualification:

Instrument Name	1	Automated 3 Part Cell Counter
Make		Nihon Kohden
Model		MEK-1305
Serial no	:	224

Following are the steps required to validate your instrument and method.

Run QC samples (Low, Normal and Abnormal) and verifies the values with acceptable range given in the insert of quality control samples

Printouts attached from instrument (Yes/No)

Yes

Run 10 time patient sample into the system and calculate the %CV. Acceptance limits of %CV (≤ 5 %) shall be considered.

Printouts attached from instrument (Yes/No)

Yes

QC RESULTS
PRECISION CHECK

PASS/FAIL= PASS/FAIL= PASS PASS

VALIDATION TEAM FROM VENDOR:

Name : Ritesh Pagdhare

Designation: Sr. Engineer CS

z indu

VALIDATION TEAM FROM PATHOLOGY LABORATORY:

Name:

Designation : Signature : Date :

CUSTOMER AUTHORIZATION:

Name:

Designation : Signature :