

Supplier

Transasia Bio-Medicals Ltd , Transasia House , 8 Chandivali Studio Road, Andheri (E) , Mumbai , Maharashtra , 400072

Recipient

MUKILANS LAB(REGISTRY ID 395944)
167/56, 1st floor, Ambattur Redhills road, Pudur bus stop, pudur, Ambattur, near pudur police booth, Chennai, Tamil Nadu - 600053

Contact Person :
Contact No. :
GSTIN :
PAN :
State : Tamil Nadu
State Code : 33
Drug License No.1 :
Drug License No.2 :
Order Number :
Mail Id : mukilanslab@gmail.com

Mobile No. :
E-Way bill No. :
Place Of Supply :
MUKILANS LAB
167/56, 1st floor, Ambattur Redhills road, Pudur bus stop, pudur, Ambattur, near pudur police booth, Chennai, Tamil Nadu - 600053

Drug License No1 :

Drug License No2 :

GSTIN : 27AAACT2038C1ZT
PAN : AAACT2038C
State : MAHARASHTRA
State Code :
Contact Person :
Contact No :
Order No. : 20224852286

Invoice No. : HIS2122V-7815
Date of issue : 17-AUG-21

Item Code	DESCRIPTION	HSN / SAC Code	QTY	Rate/ Unit	UOM	Taxable Amt.	Disc	IGST Rate	CGST Rate	SGST Rate	UGST Rate	IGST Val.	CGST Val.	SGST Val.	UGS T Val.
190000	AMC - 3PMs Annual	998719		21780	Yr	21780	0	18	0	0	0	3920.4	0	0	0
	Sysmex XP-100 Sr.No: B2607 Period From 16-AUG-21 To 15-AUG-22 (PAYMENT RECD REF NO SAA101774211 DTD 16.08.2021 RS 25,700.00)														

CGST: 0 **SGST:** 0 **IGST:** 3920.4 **UGST:** 0
Rupees Twenty Five Thousand Seven Hundred Paise Forty Only

Gross Amount 21780
Discount Amount 0
Tax Amount 3920.4
TCS Amount/206 C (1H) 0
Grand Total 25700.4

For Transasia Bio-Medicals Ltd.

Kanika Lee
Authorized Signatory

Note:

While Making Cheque payment, please mention "395944 MUKILANS LAB" on the reverse of the cheque.
While effecting fund transfer vide NEFT/RTGS, please mention "395944 MUKILANS LAB" in the remark column.
Interest @18% will be charged on delayed payment. Subject to Mumbai Jurisdiction. Our MSME Act Registration numbers are

Registered Office : TRANSASIA BIO-MEDICALS LTD

TRANSASIA HOUSE, 8-CHANDIVILI STUDIO RD, MUMBAI-400072.

TEL: (022) 4030 9000 FAX: (022) 2857 3030 EMAIL: transasia@transasia.co.in DOC No. MKOO-415/lss-10 CIN No. U33110MH1985PLC036198, web: www.transasia.co.in





Date:
Effective Date:

24.08.2021
24.08.2021

Certificate of Calibration

Customer Name: MUKILAN LAB

Model : Automated Hematology Analyzer Sysmex XP-100

Serial No. : B8354

Calibration Done Date: 24.08.2021

Next Calibration Due Date On or Before: 23.08.2022

Lab In-charge: . Dr.Boopesh

This is to certify that the above-mentioned product has been verified of calibration for CBC 5 parameters (WBC, RBC, HGB, HCT and PLT) according to the standard procedures provided by Sysmex Corporation, Japan.

The reference instruments used for value-assignment are managed by the traceability system in Sysmex Corporation and these are traceable to the International Standards, such as ICSH.

Calibration at site performed by
Engineer Name Karthick K. S
Designation ASM
Transasia Bio-Medicals Ltd
Location Chennai

Encl:

1. Certificate of Inspection
2. Assay Sheet of Calibrator SCS-1000
3. Printouts
4. Traceability & Uncertainty document



Date: 24.08.2021
Effective Date: 24.08.2021

Certificate of Inspection

1. Model: Automated Hematology Analyzer Sysmex XP – 100
2. Serial No.: B8354
3. Calibration Date: 24.08.2021
4. Material used: SCS-1000 (Lot No. 12220525, Expiry date: 12-Sep-2021)

By comparing your data to the results of the standard counters in Sysmex Corporation, the calibration for CBC 5 parameters using the measurement standard material (SCS-1000) was completed. The calibration result of 5 runs is summarized in the following table. Please refer to the attached sheets for the details.

Karthic.K

Technical Service Department
Transasia Bio-Medicals Ltd



5. BACKGROUND CHECK

PARAMETER	RESULT	Range
WBC	0.0	0.3×10^3 /UI or Less
RBC	0.00	0.02×10^6 /uL or Less
HGB	0.0	0.1 g/dL or Less
PLT	0	10×10^3 /uL or Less

Karthik - K.S

Technical Service Department
Transasia Bio-Medicals Ltd



6. PRECISION STUDY PERFORMED ON THE ANALYZER USING A BLOOD SAMPLE (ORIGINALS ATTACHED)

SMP NO	WBC	RBC	HGB	HCT	PLT
1	14.4	5.15	15.7	48.2	220
2	14.1	5.14	15.8	48.0	224
3	14.3	5.12	15.8	47.9	235
4	14.3	5.18	15.9	48.3	228
5	14.20	5.12	15.9	47.7	245
6	14.4	5.10	15.9	47.5	226
7	14.7	5.17	15.9	48.1	224
8	14.1	5.14	16.0	47.8	229
9	14.1	5.17	16.0	47.9	224
10	14.00	5.18	16.0	48.0	225
Mean	14.26	5.15	15.89	47.94	228.00
SD	0.207	0.028	0.099	0.237	7.180
CV%	1.449	0.542	0.626	0.494	3.149
Acceptable CV%	Within 3.5%	Within 2.0%	Within 1.5%	Within 2.0%	Within 6.0%
Result	PASS	PASS	PASS	PASS	PASS

Karthi . KS
Technical Service Department
Transasia Bio-Medicals Ltd



7. CALIBRATION DATA

SMP NO/TIME	WBC	RBC	HGB	HCT	PLT
1	7.10	4.37	11.8	32.50	266
2	7.00	4.39	11.8	32.40	261
3	7.10	4.37	11.8	32.40	262
4	7.00	4.39	11.8	32.50	256
5	7.00	4.38	11.8	32.20	271
MEAN	7.04	4.380	11.80	32.40	263.2
Acceptable Limits	6.84 - 7.45	4.295 - 4.470	11.67 - 11.90	32.11 - 33.56	248.0 - 274.1
Result	PASS	PASS	PASS	PASS	PASS

8. (Traceability System) :

The traceability system of Sysmex Hematology analyzers are shown in attached sheet.

Technical Service Department
Transasia Bio-Medicals Ltd

CE



SCS-1000

LOT 12220525
12-Sep-2021

Sysmex Calibrator System Assay Sheet

For Asian Pacific

Parameter	XE-Series		XT-Series		XS-Series*	
	Assay Target	Acceptable Limits	Assay Target	Acceptable Limits	Assay Target	Acceptable Limits
WBC K/uL	7.730	7.425 - 8.036	7.936	7.622 - 8.249	7.349	7.059 - 7.639
RBC M/uL	4.486	4.417 - 4.555	4.373	4.305 - 4.440	4.457	4.388 - 4.525
HGB g/dL	12.15	12.06 - 12.24	11.97	11.88 - 12.07	12.06	11.97 - 12.15
HCT %	35.17	34.40 - 35.95	33.72	32.98 - 34.47	35.73	34.94 - 36.52
MCV fL	78.41	77.42 - 79.41	77.12	76.14 - 78.10	80.17	79.15 - 81.18
PLT K/uL	246.0	237.3 - 254.7	240.1	231.6 - 248.6	242.3	233.8 - 250.9

Parameter	K-4500 / K-1000 / K-800		pocH-100j**		KX-21		XP-Series	
	Assay Target	Acceptable Limits	Assay Target	Acceptable Limits	Assay Target	Acceptable Limits	Assay Target	Acceptable Limits
WBC K/uL	7.86	7.52 - 8.20	7.46	7.14 - 7.78	7.73	7.40 - 8.06	7.15	6.84 - 7.45
RBC M/uL	4.421	4.332 - 4.509	4.445	4.356 - 4.534	4.409	4.321 - 4.498	4.382	4.295 - 4.470
HGB g/dL	12.09	11.97 - 12.21	11.68	11.56 - 11.80	12.16	12.04 - 12.29	11.78	11.67 - 11.90
HCT %	32.45	31.73 - 33.16	34.72	33.95 - 35.48	32.95	32.22 - 33.68	32.84	32.11 - 33.56
MCV fL	73.39	72.59 - 74.20	78.11	77.25 - 78.96	74.73	73.91 - 75.56	74.94	74.11 - 75.76
PLT K/uL	252.8	240.2 - 265.4	239.0	227.1 - 251.0	273.2	259.5 - 286.8	261.0	248.0 - 274.1

SCS-1000 ASSAY TERM DEFINED

Assay Target – This is the assigned value for calibration.

Acceptable Limits – These limits represent the interval around the Assay Target that can be attributed to the expanded uncertainty of the total traceability chain. A calibrator mean (n=5) that falls within these limits indicates an accurately calibrated instrument.

* **XS-1000i/XS-800i** – Assay target for WBC only for operation in CBC+Diff mode

** **pocH-100i** – Assay Target for WBC only for systems operating under software version 00-18 and following



Traceability and Uncertainty

SCS-1000 Sysmex Calibrator System

XP-Series, Automated Hematology Analyzer

LOT NO: 12220525

EXP. DATE: 12-Sep-2021

Parameter	Reference Method	Reference Material	Assigned Value	Uncertainty*	Unit
WBC	*1	-	7.146	0.20	10 ⁹ /L
RBC	*1	-	4.382	0.059	10 ¹² /L
PLT	*2	-	261.0	12	10 ⁹ /L
HGB	*3, *4	-	11.78	0.12	g / dL
HCT	*5, *6	-	32.84	0.77	%

* : This uncertainty (expanded uncertainty, k=2 was calculated in accordance with the "Guide to the expression of Uncertainty in Measurement" (GUM: 1995).

*1: ICSH Expert Panel on Cytometry, Clinical Laboratory Haematology, 16, 131-138, 1994

"Reference method for the enumeration of erythrocytes and leucocytes"

*2: ICSH Expert Panel on Cytometry and International Society of Laboratory Hematology Task Force on Platelet Counting, American Journal of Clinical Pathology, 115, 460-464, 2001

"Platelet Counting by the RBC/Platelet Ratio method – A reference Method"

*3: CLSI, H15-A3

"Reference and selected procedures for the quantitative determination of hemoglobin in blood – 3rd edition; Approved

*4: Journal of Clinical Pathology, 49, 271-274, 1996

"Recommendation for reference method for haemoglobinometry in human blood (ICSH standard 1995) and specification for international haemoglobinocyanide reference preparation (4th ed.)"

*5: CLSI H7-A3

"Procedure for Determining Packed Cell Volume by the Microhematocrit Method – 3rd edition; Approved Standard"

*6: Laboratory Hematology, 7, 148-170, 2001

"Recommendations for reference method for the packed cell volume (ICSH Standard 2001)"