

Assay values XERet

LOT : 221 REF : 3731RET
 : 2013-01-19 3732RET
 : 3733RET

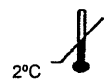
Assay values and expected ranges

	Parameters	Level 1 (Low)		Level 2 (Normal)		Level 3 (High)	
		Mean	Range ±	Mean	Range ±	Mean	Range ±
Manual	Sysmex XE-5000						
	RBC 10 ¹² /L	5.50	0.30	4.62	0.24	2.54	0.15
	Retic %	1.00	1.00	4.70	2.50	11.50	4.00
	Retic# 10 ¹² /L	0.0550	0.0550	0.2171	0.1200	0.2921	0.1200
	IRF (%)	20.0	20.0	25.0	25.0	20.0	20.0
Closed	Sysmex XE-5000						
	RBC 10 ¹² /L	5.50	0.30	4.62	0.24	2.54	0.15
	Retic %	1.00	1.00	4.70	2.50	11.50	4.00
	Retic# 10 ¹² /L	0.0550	0.0550	0.2171	0.1200	0.2921	0.1200
	IRF (%)	20.0	20.0	25.0	25.0	20.0	20.0
Manual	Sysmex XE-2100						
	RBC 10 ¹² /L	5.50	0.30	4.62	0.24	2.54	0.15
	Retic %	1.00	1.00	4.70	2.50	11.50	4.00
	Retic# 10 ¹² /L	0.0550	0.0550	0.2171	0.1200	0.2921	0.1200
	IRF (%)	20.0	20.0	25.0	25.0	20.0	20.0
Closed	Sysmex XE-2100						
	RBC 10 ¹² /L	5.50	0.30	4.62	0.24	2.54	0.15
	Retic %	1.00	1.00	4.70	2.50	11.50	4.00
	Retic# 10 ¹² /L	0.0550	0.0550	0.2171	0.1200	0.2921	0.1200
	IRF (%)	20.0	20.0	25.0	25.0	20.0	20.0
Manual	Sysmex XT-2000i						
	RBC 10 ¹² /L	5.50	0.30	4.62	0.24	2.54	0.15
	Retic %	1.00	1.00	4.70	2.50	10.50	4.00
	Retic# 10 ¹² /L	0.0550	0.0550	0.2171	0.1200	0.2667	0.1200
	IRF (%)	20.0	20.0	25.0	25.0	20.0	20.0
Closed	Sysmex XT-2000i						
	RBC 10 ¹² /L	5.50	0.30	4.62	0.24	2.54	0.15
	Retic %	1.00	1.00	4.70	2.50	10.50	4.00
	Retic# 10 ¹² /L	0.0550	0.0550	0.2171	0.1200	0.2667	0.1200
	IRF (%)	20.0	20.0	25.0	25.0	20.0	20.0



Avantor Performance Materials B.V.
P.O. Box 1 - 7400AA Deventer - The Netherlands
Tel.: +31 (0)570 687500

The devices as mentioned in this insert comply with the In Vitro Diagnostic Medical Devices Directive 98/79/EC.




8°C


IVD

Assay values XE-Diff Controls

LOT : 221

 : 2013-01-19

REF : 3731, 3732, 3733

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P.O. Box 1 - 7400AA Deventer - The Netherlands
Tel.: +31 (0)570 687500
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Assay values and expected ranges for: Sysmex Instruments: XE-2100 *

	Parameters	LOW (3731)		NORMAL (3732)		HIGH (3733)		
		Mean	Range ±	Mean	Range ±	Mean	Range ±	
Open sampling	WBC 10 ⁹ /l	3.80	0.80	7.60	1.00	19.80	2.20	
	NEUT # 10 ⁹ /l	2.55	0.40	4.48	0.80	12.18	2.00	
	LYMP # 10 ⁹ /l	0.53	0.40	1.67	0.70	4.16	1.80	
	MONO # 10 ⁹ /l	0.15	0.15	0.38	0.38	0.79	0.79	
	EOS # 10 ⁹ /l	0.57	0.30	1.06	0.60	2.67	1.40	
	BASO # 10 ⁹ /l	3.23	1.50	5.70	2.90	15.84	5.28	
Closed sampling	WBC 10 ⁹ /l	3.80	0.80	7.30	1.00	18.30	2.20	
	NEUT # 10 ⁹ /l	2.55	0.40	4.31	0.80	11.25	1.90	
	LYMP # 10 ⁹ /l	0.53	0.40	1.61	0.70	3.84	1.70	
	MONO # 10 ⁹ /l	0.15	0.15	0.37	0.37	0.73	0.73	
	EOS # 10 ⁹ /l	0.57	0.30	1.02	0.60	2.47	1.30	
	BASO # 10 ⁹ /l	3.23	1.50	5.48	2.90	14.64	5.36	
Both modes	NEUT %	67.0	10.0	59.0	10.0	61.5	10.0	
	LYMP %	14.0	9.0	22.0	9.0	21.0	9.0	
	MONO %	4.0	4.0	5.0	5.0	4.0	4.0	
	EOS %	15.0	7.0	14.0	7.0	13.5	7.0	
	BASO %	85.0	15.0	75.0	25.0	80.0	20.0	
Open sampling	RBC 10 ¹² /l	2.53	0.15	4.85	0.24	5.64	0.30	
	HGB g/dl	6.1	0.4	13.3	0.5	17.7	0.6	
	mmol/l	3.8	0.3	8.3	0.4	11.0	0.5	
	HCT %	18.6	2.0	39.5	2.5	52.2	3.0	
	l/l	0.186	0.020	0.395	0.025	0.522	0.030	
	MCV fl	73.5	5.0	81.5	5.0	92.5	5.0	
	MCH pg	24.1	2.5	27.4	2.5	31.4	2.5	
	famol	1.50	0.16	1.70	0.16	1.95	0.16	
	MCHC** g/dl	32.8	3.0	33.6	3.0	33.9	3.0	!!
	mmol/l	20.4	1.9	20.9	1.9	21.1	1.9	
Closed sampling	RBC 10 ¹² /l	2.53	0.15	4.85	0.24	5.54	0.30	
	HGB g/dl	6.1	0.4	13.3	0.5	17.4	0.6	
	mmol/l	3.8	0.3	8.3	0.4	10.8	0.5	
	HCT %	18.6	2.0	39.5	2.5	51.2	3.0	
	l/l	0.186	0.020	0.395	0.025	0.512	0.030	
	MCV fl	73.5	5.0	81.5	5.0	92.5	5.0	
	MCH pg	24.1	2.5	27.4	2.5	31.4	2.5	
	famol	1.50	0.16	1.70	0.16	1.95	0.16	
	MCHC** g/dl	32.8	3.0	33.6	3.0	34.0	3.0	
	mmol/l	20.4	1.9	20.9	1.9	21.1	1.9	
Open sampling & Closed sampling	RDW-SD fl	41.5	10.0	43.0	10.0	46.0	10.0	
	RDW-CV %	15.8	5.0	15.3	5.0	14.8	5.0	
	PLT(op) 10 ⁹ /l	55	20	210	40	425	65	op = open mode
	PLT(cl) 10 ⁹ /l	55	20	210	40	400	65	cl = closed mode
	MPV fl	9.0	3.0	9.3	3.0	9.6	3.0	
	PLT-O(op) 10 ⁹ /l	65	35	240	65	500	85	op = open mode
	PLT-O(cl) 10 ⁹ /l	65	35	240	65	500	85	cl = closed mode
	PCT %	0.05	0.03	0.20	0.07	0.40	0.11	
	ml/l	0.5	0.3	2.0	0.7	4.0	1.1	
	PDW fl	9.8	5.0	10.0	5.0	10.6	5.0	
	P-LCR %	25.0	20.0	25.0	20.0	25.0	20.0	
	IPF %	21.5	15.0	21.0	15.0	21.0	15.0	
	NRBC # 10 ⁹ /l	3.80	1.50	7.60	2.00	17.20	4.00	
	NRBC %	100.0	20.0	100.0	20.0	100.0	20.0	
	IMI # 10 ⁹ /l	750	500	1050	700	1300	800	
	IG # (op) 10 ⁹ /l	0.59	0.20	1.06	0.40	2.87	1.60	op = open mode
	IG # (cl) 10 ⁹ /l	0.59	0.20	1.02	0.40	2.65	1.60	cl = closed mode
	IG %	15.5	5.0	14.0	5.0	14.5	5.0	
	DIFF-X ch	148.0	30.0	151.0	30.0	144.0	30.0	
	DIFF-Y ch	50.0	30.0	50.0	30.0	51.0	30.0	
BASO-X ch	112.0	30.0	113.0	30.0	107.0	30.0		
BASO-Y ch	142.0	40.0	142.0	40.0	143.0	40.0		
IMDC fl	365.0	60.0	370.0	50.0	390.0	50.0		
IMIRF fl	117.0	50.0	120.0	40.0	125.0	40.0		
NRBC-X ch	195.0	30.0	185.0	30.0	178.0	30.0		
NRBC-Y ch	136.0	30.0	136.0	30.0	137.0	30.0		
RBC-O 10 ¹² /l	2.57	0.30	4.90	0.50	5.65	0.60		
RBC-X ch	23.0	15.0	24.0	15.0	25.0	15.0		
RBC-Y ch	150.0	35.0	160.0	35.0	169.0	35.0		

* XE-diff must be analyzed in the instrument e-Check Quality Control mode.
** When using CD-ROM for Assay values setup some instruments read MCHC incorrectly



Assay values XE-Diff Controls

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Avantor Performance Materials BV.
P.O. Box 1 - 7400AA Deventer - The Netherlands
Tel.: +31 (0)570 687500

The devices as mentioned in this insert comply with the In Vitro Diagnostic Medical Devices Directive 98/79/EC.

Assay values and expected ranges for: Sysmex Instruments: XT-1800i and XT-2000i *

	Parameters	LOW (3731)		NORMAL (3732)		HIGH (3733)	
		Mean	Range ±	Mean	Range ±	Mean	Range ±
Open sampling	WBC 10 ⁹ /l	3.80	0.80	7.60	1.00	19.30	2.20
	NEUT # 10 ⁹ /l	2.55	0.40	4.48	0.80	11.87	2.00
	LYMP # 10 ⁹ /l	0.53	0.40	1.67	0.70	4.05	1.80
	MONO # 10 ⁹ /l	0.15	0.15	0.38	0.38	0.77	0.77
	EOS # 10 ⁹ /l	0.57	0.30	1.06	0.60	2.61	1.40
	BASO # 10 ⁹ /l	3.23	1.50	5.70	2.90	15.44	6.06
Closed sampling	WBC 10 ⁹ /l	3.80	0.80	7.30	1.00	18.40	2.20
	NEUT # 10 ⁹ /l	2.55	0.40	4.31	0.80	11.32	1.90
	LYMP # 10 ⁹ /l	0.53	0.40	1.61	0.70	3.86	1.70
	MONO # 10 ⁹ /l	0.15	0.15	0.37	0.37	0.74	0.74
	EOS # 10 ⁹ /l	0.57	0.30	1.02	0.60	2.48	1.30
	BASO # 10 ⁹ /l	3.23	1.50	5.48	2.90	14.72	5.68
Both modes	NEUT %	67.0	10.0	59.0	10.0	61.5	10.0
	LYMP %	14.0	9.0	22.0	9.0	21.0	9.0
	MONO %	4.0	4.0	5.0	5.0	4.0	4.0
	EOS %	15.0	7.0	14.0	7.0	13.5	7.0
	BASO %	85.0	15.0	75.0	25.0	80.0	20.0
Open Sampling	RBC 10 ¹² /l	2.53	0.15	4.85	0.24	5.64	0.30
	HGB g/dl	6.1	0.4	13.3	0.5	17.7	0.6
	mmol/l	3.8	0.3	8.3	0.4	11.0	0.5
	HCT %	19.4	2.0	40.5	2.5	53.9	3.0
	l/l	0.194	0.020	0.405	0.025	0.539	0.030
	MCV fl	76.5	5.0	83.5	5.0	95.5	5.0
	MCH pg	24.1	2.5	27.4	2.5	31.4	2.5
	fmol	1.50	0.16	1.70	0.16	1.95	0.16
	MCHC** g/dl	31.5	3.0	32.8	3.0	32.9	3.0
	mmol/l	19.6	1.9	20.4	1.9	20.4	1.9
Closed sampling	RBC 10 ¹² /l	2.53	0.15	4.85	0.24	5.54	0.30
	HGB g/dl	6.1	0.4	13.3	0.5	17.4	0.6
	mmol/l	3.8	0.3	8.3	0.4	10.8	0.5
	HCT %	19.4	2.0	40.5	2.5	52.9	3.0
	l/l	0.194	0.020	0.405	0.025	0.529	0.030
	MCV fl	76.5	5.0	83.5	5.0	95.5	5.0
	MCH pg	24.1	2.5	27.4	2.5	31.4	2.5
	fmol	1.50	0.16	1.70	0.16	1.95	0.16
	MCHC** g/dl	31.5	3.0	32.8	3.0	32.9	3.0
	mmol/l	19.6	1.9	20.4	1.9	20.4	1.9
Open sampling & Closed sampling	RDW-SD fl	41.5	10.0	43.0	10.0	46.0	10.0
	RDW-CV %	15.8	5.0	15.3	5.0	14.8	5.0
	PLT (op) 10 ⁹ /l	65	20	234	40	470	65 op = open mode
	PLT (cl) 10 ⁹ /l	65	20	234	40	435	65 cl = closed mode
	MPV fl	8.3	3.0	8.8	3.0	9.2	3.0
	PLT-O(op) 10 ⁹ /l	58	35	220	65	480	85 op = open mode
	PLT-O(cl) 10 ⁹ /l	58	35	220	65	480	85 cl = closed mode
	PCT %	0.05	0.03	0.20	0.07	0.40	0.11
	ml/l	0.5	0.3	2.0	0.7	4.0	1.1
	PDW fl	9.8	5.0	10.0	5.0	10.6	5.0
	P-LCR %	25.0	20.0	25.0	20.0	25.0	20.0
	DIFF-X ch	148.0	30.0	151.0	30.0	144.0	30.0
	DIFF-Y ch	50.0	30.0	50.0	30.0	51.0	30.0
	BASO-X ch	112.0	30.0	113.0	30.0	107.0	30.0
	BASO-Y ch	142.0	40.0	142.0	40.0	143.0	40.0
RBC-O* 10 ¹² /l	2.57	0.30	4.90	0.50	5.65	0.60	
RBC-X* ch	23.0	15.0	24.0	15.0	25.0	15.0	
RBC-Y* ch	150.0	35.0	160.0	35.0	169.0	35.0	


* XE-diff must be analyzed in the instrument e-Check Quality Control mode.


* Not available for the Sysmex XT-1800i

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Assay values XE-Diff Controls

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Assay values and expected ranges for: Sysmex Instruments: XS-1000i

Parameters	LOW (3731)		NORMAL (3732)		HIGH (3733)		
	Mean	Range ±	Mean	Range ±	Mean	Range ±	
WBC-C 10 ⁹ /l	4.00	1.20	7.45	1.80	19.80	3.00	
WBC-D 10 ⁹ /l	3.90	1.20	7.05	1.80	18.90	3.00	
RBC 10 ¹² /l	2.50	0.15	4.85	0.24	5.65	0.30	
HGB g/dl	6.0	0.4	13.3	0.5	17.7	0.6	
HCT	mmol/l	3.7	0.3	8.3	0.4	11.0	0.5
	%	18.8	2.0	40.3	2.5	53.7	3.0
MCV	fl	0.188	0.020	0.403	0.025	0.537	0.030
	fl	75.2	5.0	83.1	5.0	95.0	5.0
MCH	pg	24.0	2.5	27.4	2.5	31.3	2.5
	fmol	1.49	0.16	1.70	0.16	1.94	0.16
MCHC**	g/dl	31.9	3.0	33.0	3.0	33.0	3.0
	mmol/l	19.8	1.9	20.5	1.9	20.5	1.9
RDW-SD	fl	42.0	10.0	44.0	10.0	48.0	10.0
	%	16.0	5.0	16.0	5.0	15.0	5.0
PLT 10 ⁹ /l	60	25	220	40	430	65	
MPV fl	8.7	3.0	9.3	3.0	9.6	3.0	
NEUT # 10 ⁹ /l	2.28	0.97	3.42	1.06	10.11	2.27	
LYMP # 10 ⁹ /l	0.57	0.55	2.01	0.85	4.06	1.89	
MONO # 10 ⁹ /l	0.12	0.12	0.21	0.21	0.57	0.57	
EOS # 10 ⁹ /l	0.59	0.39	0.88	0.63	2.55	1.51	
BASO # 10 ⁹ /l	0.35	0.35	0.53	0.53	1.61	1.61	
NEUT %	58.5	25.0	48.5	15.0	53.5	12.0	
LYMP %	14.5	14.0	28.5	12.0	21.5	10.0	
MONO %	3.0	3.0	3.0	3.0	3.0	3.0	
EOS %	15.0	10.0	12.5	9.0	13.5	8.0	
BASO %	9.0	9.0	7.5	7.5	8.5	8.5	
PCT	%	0.05	0.03	0.20	0.07	0.41	0.11
	ml/l	0.5	0.3	2.0	0.7	4.1	1.1
PDW fl	10.5	5.0	10.5	5.0	11.0	5.0	
P-LCR %	14.0	13.0	16.0	13.0	18.5	15.0	
DIFF-X ch	145.0	30.0	148.0	30.0	143.0	30.0	
DIFF-Y ch	47.0	30.0	51.0	30.0	56.0	30.0	
FSC-X ch	29.0	10.0	28.0	10.0	29.0	15.0	

Manual sampling



2°C



8°C

IVD

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