

XERet Control

HEMATOLOGY CONTROLS

CONTROL

ASSAY VALUES AND EXPECTED RANGES

LOT 34111001, 34111002, 34111003
QCP DATA MONTHS: **NOVEMBER, DECEMBER**

2025-01-05

Sysmex XN-1000

Parameters	Level 1		Level 2		Level 3	
	LOT 34111001	Expected Range	LOT 34111002	Expected Range	LOT 34111003	Expected Range
RBC ($10^{12}/L$)	Assay Mean \pm Limit 5.75 \pm 0.30	5.45 - 6.05	Assay Mean \pm Limit 4.60 \pm 0.24	4.36 - 4.84	Assay Mean \pm Limit 2.38 \pm 0.15	2.23 - 2.53
RET%	1.00 \pm 1.00	0.00 - 2.00	5.20 \pm 2.50	2.70 - 7.70	10.50 \pm 4.00	6.50 - 14.50
RET# ($10^{12}/L$)	0.0575 \pm 0.0575	0.0000 - 0.1150	0.2392 \pm 0.1200	0.1192 - 0.3592	0.2499 \pm 0.1200	0.1299 - 0.3699
IRF (%)	20.0 \pm 20.0	0.0 - 40.0	20.0 \pm 20.0	0.0 - 40.0	20.0 \pm 20.0	0.0 - 40.0

Sysmex XNL-Series

Parameters	Level 1		Level 2		Level 3	
	LOT 34111001	Expected Range	LOT 34111002	Expected Range	LOT 34111003	Expected Range
RBC ($10^{12}/L$)	Assay Mean \pm Limit 5.74 \pm 0.30	5.44 - 6.04	Assay Mean \pm Limit 4.57 \pm 0.24	4.33 - 4.81	Assay Mean \pm Limit 2.36 \pm 0.15	2.21 - 2.51
RET%	1.00 \pm 1.00	0.00 - 2.00	5.70 \pm 2.50	3.20 - 8.20	11.00 \pm 4.00	7.00 - 15.00
RET# ($10^{12}/L$)	0.0574 \pm 0.0574	0.0000 - 0.1148	0.2605 \pm 0.1200	0.1405 - 0.3805	0.2596 \pm 0.1200	0.1396 - 0.3796
IRF (%)	20.0 \pm 20.0	0.0 - 40.0	20.0 \pm 20.0	0.0 - 40.0	20.0 \pm 20.0	0.0 - 40.0

BC-6800, BC-6600 QC MODE

Parameters	Level 1		Level 2		Level 3	
	LOT 34111001	Expected Range	LOT 34111002	Expected Range	LOT 34111003	Expected Range
RET# ($10^{12}/L$)	Assay Mean \pm Limit 0.0515 \pm 0.0412	0.0103 - 0.0927	Assay Mean \pm Limit 0.2336 \pm 0.0935	0.1401 - 0.3271	Assay Mean \pm Limit 0.2430 \pm 0.0729	0.1701 - 0.3159
RET%	0.90 \pm 0.72	0.18 - 1.62	5.10 \pm 2.04	3.06 - 7.14	10.00 \pm 3.00	7.00 - 13.00
IRF (%)	7.0 \pm 15.0	-8.0 - 22.0	8.5 \pm 13.0	-4.5 - 21.5	8.0 \pm 25.0	-17.0 - 33.0
LFR (%)	93.0 \pm 15.0	78.0 - 108.0	91.5 \pm 10.0	81.5 - 101.5	92.0 \pm 25.0	67.0 - 117.0
MFR (%)	5.0 \pm 12.0	-7.0 - 17.0	7.0 \pm 10.0	-3.0 - 17.0	6.5 \pm 22.0	-15.5 - 28.5
HFR (%)	2.0 \pm 3.0	-1.0 - 5.0	1.5 \pm 3.0	-1.5 - 4.5	1.5 \pm 3.0	-1.5 - 4.5
RHE pg	21.0 \pm 10.0	11.0 - 31.0	15.0 \pm 10.0	5.0 - 25.0	15.0 \pm 10.0	5.0 - 25.0
RBC-O ($10^{12}/L$)*	5.50 \pm 0.35	5.15 - 5.85	4.45 \pm 0.30	4.15 - 4.75	2.35 \pm 0.20	2.15 - 2.55

*For Research Use Only

For Sysmex analyzers- Reticulocyte parameter values were obtained from analyzers that have been standardized and calibrated by Sysmex.

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