

Para 12[®] Extend



Multi-Parameter Assayed Hematology Control¹



2025-10-13

350307-45
2024-07



streck.com/IFU

Rx Only

Open-vial stability 30 days²

Instrument ³ Horiba® ABX Micros® 60 / Horiba® ABX Micros® ES 60 / Siemens® ADVIA® 60	CONTROL ⁵ L		CONTROL ⁵ N		CONTROL ⁵ H	
	LOT 50970422		LOT 50970423		LOT 50970424	
	Parameter ⁴	\bar{x}	+/-	\bar{x}	+/-	\bar{x}
WBC 10 ⁹ /L	2.2	0.4	7.8	0.6	20.2	2.5
LYM 10 ⁹ /L	1.4	0.5	2.8	0.5	3.9	1.5
LYM %	61.4	8.0	35.5	6.0	19.2	6.0
MID 10 ⁹ /L	0.2	0.2	0.5	0.3	1.3	1.0
MID %	5.8	4.5	6.9	5.0	6.6	5.0
GRAN 10 ⁹ /L	0.8	0.8	4.5	1.0	15.0	3.0
GRAN %	32.8	8.0	57.6	7.0	74.2	8.0
RBC 10 ¹² /L	2.20	0.15	4.15	0.20	5.16	0.25
HGB g/dL	5.6	0.5	11.0	0.6	15.1	0.7
[HGB] g/L	56	5	110	6	151	7
HCT %	16.3	2.0	33.6	3.0	44.9	4.0
[HCT] L/L	0.163	0.020	0.336	0.030	0.449	0.040
MCV fL	74	6	81	6	87	6
MCH pg	25.5	2.0	26.5	2.0	29.3	2.0
MCHC g/dL	34.4	3.0	32.7	3.0	33.6	3.0
[MCHC] g/L	344	30	327	30	336	30
RDW %	17.0	5.0	16.5	5.0	15.6	5.0
PLT 10 ⁹ /L	73	15	209	30	554	60
MPV fL	9.8	1.5	9.1	1.5	8.9	1.5

Instrument ³ Beckman Coulter® AcT Series / AcT diff/ AcT diff2	CONTROL ⁵ L		CONTROL ⁵ N		CONTROL ⁵ H	
	LOT 50970422		LOT 50970423		LOT 50970424	
	Parameter ⁴	\bar{x}	+/-	\bar{x}	+/-	\bar{x}
WBC 10 ⁹ /L	2.3	0.4	8.2	1.0	21.4	2.5
LYM 10 ⁹ /L	1.2	0.6	2.3	1.2	2.7	2.0
LYM %	52.2	10.0	28.0	9.0	12.8	6.0
MID 10 ⁹ /L	0.2	0.2	0.7	0.3	1.8	1.2
MID %	7.2	6.0	8.5	5.0	8.4	5.0
GRAN 10 ⁹ /L	0.9	0.8	5.2	2.0	16.9	3.5
GRAN %	40.6	10.0	63.4	9.0	78.8	8.0
RBC 10 ¹² /L	2.30	0.20	4.33	0.25	5.38	0.30
HGB g/dL	5.7	0.5	11.5	0.7	15.9	1.0
[HGB] g/L	57	5	115	7	159	10
HCT %	17.5	2.0	35.7	4.5	47.5	4.5
[HCT] L/L	0.175	0.020	0.357	0.045	0.475	0.045
MCV fL	75.9	6.0	82.5	7.0	88.3	7.0
MCH pg	24.8	2.5	26.6	2.5	29.6	2.5
MCHC g/dL	32.6	3.5	32.2	3.5	33.5	3.5
[MCHC] g/L	326	35	322	35	335	35
RDW %	19.7	5.0	18.1	5.0	16.9	5.0
PLT 10 ⁹ /L	63	25	190	35	514	85
MPV fL	9.6	1.5	9.7	1.5	9.8	1.5

Instrument ³ Mindray® BC-3200	CONTROL ⁵ L		CONTROL ⁵ N		CONTROL ⁵ H	
	LOT 50970422		LOT 50970423		LOT 50970424	
	Parameter ⁴	\bar{x}	+/-	\bar{x}	+/-	\bar{x}
WBC 10 ⁹ /L	2.2	0.4	8.4	1.0	21.8	2.5
LYM 10 ⁹ /L	1.0	0.6	2.1	1.2	2.6	2.0
LYM %	47.2	10.0	25.4	9.0	11.7	6.0
MID 10 ⁹ /L	0.2	0.2	0.7	0.3	1.6	1.2
MID %	10.4	6.0	8.7	5.0	7.5	5.0
GRAN 10 ⁹ /L	0.9	0.8	5.5	2.0	17.6	3.5
GRAN %	42.4	10.0	65.9	9.0	80.8	8.0
RBC 10 ¹² /L	2.35	0.20	4.38	0.40	5.47	0.40
HGB g/dL	5.9	0.5	11.7	1.0	16.3	1.2
[HGB] g/L	59	5	117	10	163	12
HCT %	18.2	2.5	37.2	4.5	49.3	4.5
[HCT] L/L	0.182	0.025	0.372	0.045	0.493	0.045
MCV fL	77.6	6.0	85.0	7.0	90.2	7.0
MCH pg	25.1	2.5	26.7	2.5	29.8	2.5
MCHC g/dL	32.4	3.5	31.5	3.5	33.1	3.5
[MCHC] g/L	324	35	315	35	331	35
RDW %	16.0	5.0	14.9	5.0	14.3	5.0
PLT 10 ⁹ /L	73	25	193	35	512	85
MPV fL	9.0	1.5	8.5	1.5	8.3	1.5

Instrument ³ Mindray® BC-3600	CONTROL ⁵ L		CONTROL ⁵ N		CONTROL ⁵ H	
	LOT 50970422		LOT 50970423		LOT 50970424	
	Parameter ⁴	\bar{x}	+/-	\bar{x}	+/-	\bar{x}
WBC 10 ⁹ /L	2.0	0.4	7.5	1.0	19.1	2.5
LYM 10 ⁹ /L	1.0	0.6	2.2	1.2	2.8	2.0
LYM %	52.0	10.0	29.2	9.0	14.4	6.0
MID 10 ⁹ /L	0.2	0.2	0.6	0.3	1.4	1.2
MID %	7.7	6.0	8.1	5.0	7.4	5.0
GRAN 10 ⁹ /L	0.9	0.8	4.7	2.0	14.9	3.5
GRAN %	40.3	10.0	62.6	9.0	78.2	8.0
RBC 10 ¹² /L	2.28	0.20	4.23	0.40	5.27	0.40
HGB g/dL	5.3	0.5	10.9	1.0	15.6	1.2
[HGB] g/L	53	5	109	10	156	12
HCT %	17.8	2.5	35.4	4.5	47.0	4.5
[HCT] L/L	0.178	0.025	0.354	0.045	0.470	0.045
MCV fL	77.9	6.0	83.6	7.0	89.2	7.0
MCH pg	23.2	2.5	25.8	2.5	29.6	2.5
MCHC g/dL	29.8	3.5	30.8	3.5	33.2	3.5
[MCHC] g/L	298	35	308	35	332	35
RDW %	16.5	5.0	15.9	5.0	15.4	5.0
PLT 10 ⁹ /L	70	25	208	35	576	85
MPV fL	8.4	1.5	8.4	1.5	8.3	1.5



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Instrument³
ERMA PCE-210

Parameter ⁴	CONTROL ⁵ L		CONTROL ⁵ N		CONTROL ⁵ H	
	LOT 50970422		LOT 50970423		LOT 50970424	
	\bar{x}	+/-	\bar{x}	+/-	\bar{x}	+/-
WBC 10 ⁹ /L	2.1	0.4	7.8	0.7	21.0	2.5
LYM 10 ⁹ /L	1.0	0.5	2.0	0.5	2.3	1.5
LYM %	47.9	8.0	25.1	6.0	11.1	6.0
MID 10 ⁹ /L	0.2	0.2	0.4	0.3	1.1	1.0
MID %	6.0	6.0	5.0	5.0	5.0	5.0
GRAN 10 ⁹ /L	1.0	0.8	5.5	1.0	17.9	3.0
GRAN %	47.8	8.0	70.6	7.0	85.3	8.0
RBC 10 ¹² /L	2.36	0.20	4.41	0.25	5.42	0.35
HGB g/dL	5.5	0.8	11.5	0.9	16.4	1.0
[HGB] g/L	55	8	115	9	164	10
HCT %	17.6	2.0	36.9	4.5	48.0	4.5
[HCT] L/L	0.176	0.020	0.369	0.045	0.480	0.045
MCV fL	74.7	6.0	83.7	7.0	88.5	7.0
MCH pg	23.3	2.5	26.1	3.0	30.3	3.0
MCHC g/dL	31.3	3.5	31.2	3.5	34.2	3.5
[MCHC] g/L	313	35	312	35	342	35
RDW %	21.8	5.0	20.8	5.0	20.1	5.0
PLT 10 ⁹ /L	80	25	213	45	553	85
MPV fL	10.3	1.5	9.4	1.5	9.0	1.5
PDW fL	10.1	3.0	11.4	1.7	11.2	1.7

Instrument³
Nihon Kohden® Celltac α
MEK-6400 Series /
MEK-6500

Parameter ⁴	CONTROL ⁵ L		CONTROL ⁵ N		CONTROL ⁵ H	
	LOT 50970422		LOT 50970423		LOT 50970424	
	\bar{x}	+/-	\bar{x}	+/-	\bar{x}	+/-
WBC 10 ⁹ /L	2.1	0.4	7.7	0.6	20.4	2.5
LYM 10 ⁹ /L	1.3	0.5	3.1	0.5	4.2	1.5
LYM %	62.7	11.0	40.6	6.0	20.8	6.0
MID 10 ⁹ /L	0.2	0.2	0.7	0.3	1.9	1.0
MID %	8.5	6.0	8.5	5.0	9.2	5.0
GRAN 10 ⁹ /L	0.8	0.8	3.9	1.0	14.3	3.0
GRAN %	28.7	11.0	51.0	7.0	70.1	8.0
RBC 10 ¹² /L	2.29	0.15	4.25	0.20	5.29	0.25
HGB g/dL	5.4	0.5	11.0	0.6	15.5	0.7
[HGB] g/L	54	5	110	6	155	7
HCT %	17.2	2.0	34.4	3.0	46.0	4.0
[HCT] L/L	0.172	0.020	0.344	0.030	0.460	0.040
MCV fL	75	6	81	6	87	6
MCH pg	23.6	2.0	25.9	2.0	29.3	2.0
MCHC g/dL	31.4	3.0	32.0	3.0	33.7	3.0
[MCHC] g/L	314	30	320	30	337	30
RDW %	19.4	5.0	18.4	5.0	17.7	5.0
PLT 10 ⁹ /L	77	15	229	30	631	60
PCT %	0.06	0.03	0.16	0.06	0.44	0.20
MPV fL	7.2	1.5	7.2	1.5	7.0	1.5
PDW %	14.0	5.5	13.5	3.7	12.9	2.7

Instrument³
HTI® MicroCC-20 Plus

Parameter ⁴	CONTROL ⁵ L		CONTROL ⁵ N		CONTROL ⁵ H	
	LOT 50970422		LOT 50970423		LOT 50970424	
	\bar{x}	+/-	\bar{x}	+/-	\bar{x}	+/-
WBC 10 ⁹ /L	2.0	0.4	6.8	0.6	17.1	2.5
LYM 10 ⁹ /L	1.1	0.5	2.2	0.5	2.7	1.5
LYM %	55.6	8.0	31.8	6.0	16.0	6.0
MID 10 ⁹ /L	0.2	0.2	0.7	0.3	1.8	1.0
MID %	10.0	4.5	10.9	5.0	10.5	5.0
GRAN 10 ⁹ /L	0.8	0.8	3.9	1.0	12.6	3.0
GRAN %	34.5	8.0	57.3	7.0	73.5	8.0
RBC 10 ¹² /L	2.12	0.15	3.97	0.20	5.04	0.25
HGB g/dL	5.8	0.5	11.4	0.6	15.7	0.7
[HGB] g/L	58	5	114	6	157	7
HCT %	17.3	2.0	34.5	3.0	46.1	4.0
[HCT] L/L	0.173	0.020	0.345	0.030	0.461	0.040
MCV fL	81.8	6.0	86.8	6.0	91.4	6.0
MCH pg	27.4	2.0	28.7	2.0	31.2	2.0
MCHC g/dL	33.5	3.0	33.0	3.0	34.1	3.0
[MCHC] g/L	335	30	330	30	341	30
RDW %	14.1	5.0	13.1	5.0	12.9	5.0
RDW-SD fL	41.6	3.5	42.8	8.4	44.6	3.7
PLT 10 ⁹ /L	80	25	208	30	531	60
PCT %	0.06	0.02	0.17	0.17	0.57	0.57
MPV fL	8.1	1.5	7.9	1.5	7.9	1.5
PDW %	9.2	1.9	9.2	2.0	8.9	1.4
P-LCR %	13.0	13.0	11.3	10.0	9.8	6.7

1 Multi-Parameter Assayed Hematology Control

Kontrolní hematologické látky pro multiparametrickou analýzu / Contrôle dosé d'hématologie à paramètres multiples / Hämatologie-Kontrolle mit Sollwertzuweisung für mehrere Parameter / Controllo di analisi ematologica multi-parametro / Analysert hematologikontroll for flere parametere / Wieloparametrowa oznaczona kontrola hematologiczna. / Control hematológico ensayado de múltiples parámetros / Multiparameterkontroll för analyserad hematologi

2 Open-vial stability 30 days

Stabilita otevřené lékovky 30 dní / Stabilité en flacon ouvert 30 jours / Stabilität geöffneter Flaschen 30 tage / Stabiliteten til åpnet ampulle 30 dager / Stabilità della fiala aperta 30 giorni / Trwałość otwartego opakowania 30 liczba dni / Estabilidad de la cápsula abierta 30 días / Hållbarhet för öppen flaska 30 dagar

3 Instrument

Nástroj / Instrument / Gerät / Strumento / Instrument / Aparat / Instrumento / Instrument

4 Parameter

Parametr / Paramètre / Parameter / Parametro / Parameter / Parametr / Parámetro / Parameter

5 Control

Kontrola / Contrôle / Kontrolle / Controllo / Kontroll / Kontrola / Control / Kontroll

\bar{x} Mean

Střední hodnota / Moyenne / Mittelwert / Media / Gjennomsnitt / Wartość średnia / Media / Medelvärde

+/- Expected Range

± očekávaný rozsah / ± Intervalle escompté / ± Erwartungsbereich / ± Range previsto / ± Forventet område / ± Zakres wartości oczekiwanych / ± Interval previsto / ± Förväntat intervall

[] SI Units

Mezinárodní soustava jednotek SI / Unités SI / SI- Einheiten / Unitá SI / SI-måleenheter / Jednostki SI / Unidades SI / SI-enheter

Alarms or flags may be seen with Para 12 Extend. These alarms and flags may be disregarded if the control is performing within the assay ranges.

Alarmy nebo praporky upozornění lze vidět u Para 12 Extend. Tyto alarmy a praporky se mohou ignorovat, pokud je kontrola v rozmezích analýzy.

Des alarmes ou indicateurs peuvent être observés avec Para 12 Extend. Ces alarmes et indicateurs peuvent être ignorés si le contrôle se situe dans les intervalles d'essai.

Es ist möglich, dass mit dem Para 12 Extend Alarm- oder Warnmeldungen (Flags) erscheinen. Derartige Alarm- und Warnmeldungen können ignoriert werden, wenn die Kontrollwerte innerhalb der Assaybereiche liegen.

Allarmi e flag possono essere osservati con Para 12 Extend. Questi allarmi e queste flag possono essere ignorati se i valori del controllo si trovano all'interno dei range di analisi.

Alarmer eller flagg kan sees med Para 12 Extend. Disse alarmene og flaggene kan ignoreres hvis kontrollen utføres innenfor analyseområdet.

Przy użyciu Para 12 Extend mogą pojawić się alarmy lub sygnały ostrzegawcze. Jeśli wyniki badania kontroli mieszczą się w zakresie oznaczeń, ostrzeżenia te można zignorować.

Pueden verse alarmas o indicadores con Para 12 Extend. Pueden pasarse por alto estas alarmas e indicadores si el control está funcionando dentro de las gamas de análisis.

Larm eller flaggor kan ses med Para 12 Extend. Man kan ignorera dessa larm och flaggor om kontrollens prestanda ligger inom fastställda områden för analysen.

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