

Para 12[®] Extend



Multi-Parameter Assayed Hematology Control¹



2025-04-28

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 42950422		LOT 42950423		LOT 42950424	
	Parameter ⁴	\bar{x}	+/-	\bar{x}	+/-	\bar{x}
WBC 10 ⁹ /L	2.0	0.4	8.2	0.6	21.0	2.5
LYM 10 ⁹ /L	1.3	0.5	2.8	0.5	4.0	1.5
LYM %	63.1	8.0	34.3	6.0	18.9	6.0
MID 10 ⁹ /L	0.2	0.2	0.6	0.3	1.6	1.0
MID %	4.8	4.5	6.9	5.0	7.5	5.0
GRAN 10 ⁹ /L	0.8	0.8	4.8	1.0	15.5	3.0
GRAN %	32.0	8.0	58.9	7.0	73.6	8.0
RBC 10 ¹² /L	2.19	0.15	4.25	0.20	5.31	0.25
HGB g/dL	5.5	0.5	11.7	0.6	15.4	0.7
[HGB] g/L	55	5	117	6	154	7
HCT %	16.4	2.0	34.4	3.0	45.1	4.0
[HCT] L/L	0.164	0.020	0.344	0.030	0.451	0.040
MCV fL	75	6	81	6	85	6
MCH pg	25.1	2.0	27.5	2.0	29.0	2.0
MCHC g/dL	33.5	3.0	34.0	3.0	34.1	3.0
[MCHC] g/L	335	30	340	30	341	30
RDW %	16.9	5.0	14.7	5.0	14.3	5.0
PLT 10 ⁹ /L	71	15	214	30	540	60
MPV fL	9.2	1.5	8.7	1.5	8.4	1.5

Instrument ³ Beckman Coulter [®] AcT Series / AcT diff/ AcT diff2	CONTROL ⁵ L		CONTROL ⁵ N		CONTROL ⁵ H	
	LOT 42950422		LOT 42950423		LOT 42950424	
	Parameter ⁴	\bar{x}	+/-	\bar{x}	+/-	\bar{x}
WBC 10 ⁹ /L	2.1	0.4	8.4	1.0	22.0	2.5
LYM 10 ⁹ /L	1.2	0.6	2.4	1.2	3.1	2.0
LYM %	56.6	10.0	28.5	9.0	13.9	6.0
MID 10 ⁹ /L	0.2	0.2	0.7	0.3	2.0	1.2
MID %	6.4	6.0	8.1	5.0	8.9	5.0
GRAN 10 ⁹ /L	0.8	0.8	5.3	2.0	17.0	3.5
GRAN %	37.0	10.0	63.4	9.0	77.3	8.0
RBC 10 ¹² /L	2.22	0.20	4.33	0.25	5.42	0.30
HGB g/dL	5.3	0.5	11.8	0.7	15.8	1.0
[HGB] g/L	53	5	118	7	158	10
HCT %	16.7	2.0	35.5	4.5	46.1	4.5
[HCT] L/L	0.167	0.020	0.355	0.045	0.461	0.045
MCV fL	75.3	6.0	82.1	7.0	85.1	7.0
MCH pg	23.9	2.5	27.3	2.5	29.2	2.5
MCHC g/dL	31.7	3.5	33.2	3.5	34.3	3.5
[MCHC] g/L	317	35	332	35	343	35
RDW %	19.4	5.0	17.4	5.0	16.5	5.0
PLT 10 ⁹ /L	61	25	200	35	541	85
MPV fL	8.9	1.5	9.0	1.5	9.1	1.5

Instrument ³ Mindray [®] BC-3200	CONTROL ⁵ L		CONTROL ⁵ N		CONTROL ⁵ H	
	LOT 42950422		LOT 42950423		LOT 42950424	
	Parameter ⁴	\bar{x}	+/-	\bar{x}	+/-	\bar{x}
WBC 10 ⁹ /L	2.1	0.4	8.5	1.0	21.4	2.5
LYM 10 ⁹ /L	1.1	0.6	2.2	1.2	2.6	2.0
LYM %	52.8	10.0	25.8	9.0	12.2	6.0
MID 10 ⁹ /L	0.2	0.2	0.7	0.3	1.6	1.2
MID %	7.3	6.0	7.8	5.0	7.7	5.0
GRAN 10 ⁹ /L	0.9	0.8	5.6	2.0	17.1	3.5
GRAN %	39.9	10.0	66.4	9.0	80.1	8.0
RBC 10 ¹² /L	2.20	0.20	4.26	0.40	5.32	0.40
HGB g/dL	5.4	0.5	11.6	1.0	15.7	1.2
[HGB] g/L	54	5	116	10	157	12
HCT %	16.9	2.5	35.1	4.5	45.5	4.5
[HCT] L/L	0.169	0.025	0.351	0.045	0.455	0.045
MCV fL	76.7	6.0	82.3	7.0	85.5	7.0
MCH pg	24.5	2.5	27.2	2.5	29.5	2.5
MCHC g/dL	32.0	3.5	33.0	3.5	34.5	3.5
[MCHC] g/L	320	35	330	35	345	35
RDW %	16.3	5.0	14.9	5.0	14.0	5.0
PLT 10 ⁹ /L	70	25	207	35	517	85
MPV fL	8.6	1.5	8.1	1.5	8.0	1.5

Instrument ³ Mindray [®] BC-3600	CONTROL ⁵ L		CONTROL ⁵ N		CONTROL ⁵ H	
	LOT 42950422		LOT 42950423		LOT 42950424	
	Parameter ⁴	\bar{x}	+/-	\bar{x}	+/-	\bar{x}
WBC 10 ⁹ /L	1.9	0.4	7.8	1.0	19.6	2.5
LYM 10 ⁹ /L	1.1	0.6	2.3	1.2	2.9	2.0
LYM %	55.7	10.0	29.0	9.0	14.6	6.0
MID 10 ⁹ /L	0.2	0.2	0.6	0.3	1.6	1.2
MID %	6.9	6.0	7.8	5.0	8.2	5.0
GRAN 10 ⁹ /L	0.9	0.8	4.9	2.0	15.1	3.5
GRAN %	37.4	10.0	63.2	9.0	77.2	8.0
RBC 10 ¹² /L	2.24	0.20	4.37	0.40	5.44	0.40
HGB g/dL	5.2	0.5	11.6	1.0	15.8	1.2
[HGB] g/L	52	5	116	10	158	12
HCT %	17.6	2.5	36.5	4.5	47.3	4.5
[HCT] L/L	0.176	0.025	0.365	0.045	0.473	0.045
MCV fL	78.7	6.0	83.6	7.0	86.9	7.0
MCH pg	23.2	2.5	26.5	2.5	29.0	2.5
MCHC g/dL	29.5	3.5	31.8	3.5	33.4	3.5
[MCHC] g/L	295	35	318	35	334	35
RDW %	16.5	5.0	15.4	5.0	15.1	5.0
PLT 10 ⁹ /L	65	25	211	35	558	85
MPV fL	8.2	1.5	8.1	1.5	8.1	1.5



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Instrument³
ERMA PCE-210

Parameter ⁴	CONTROL ⁵ L		CONTROL ⁵ N		CONTROL ⁵ H	
	LOT 42950422		LOT 42950423		LOT 42950424	
	\bar{x}	+/-	\bar{x}	+/-	\bar{x}	+/-
WBC 10 ⁹ /L	1.9	0.4	7.9	0.7	20.6	2.5
LYM 10 ⁹ /L	1.0	0.5	2.0	0.5	2.3	1.5
LYM %	53.4	8.0	25.2	6.0	11.4	6.0
MID 10 ⁹ /L	0.2	0.2	0.5	0.3	1.0	1.0
MID %	6.0	6.0	5.9	5.0	5.0	5.0
GRAN 10 ⁹ /L	0.8	0.8	5.4	1.0	17.5	3.0
GRAN %	40.7	8.0	68.9	7.0	85.0	8.0
RBC 10 ¹² /L	2.40	0.20	4.54	0.25	5.49	0.35
HGB g/dL	5.2	0.8	11.6	0.9	15.5	1.0
[HGB] g/L	52	8	116	9	155	10
HCT %	18.2	2.0	36.3	4.5	46.0	4.5
[HCT] L/L	0.182	0.020	0.363	0.045	0.460	0.045
MCV fL	75.9	6.0	80.0	7.0	83.7	7.0
MCH pg	21.7	2.5	25.6	3.0	28.2	3.0
MCHC g/dL	28.6	3.5	32.0	3.5	33.7	3.5
[MCHC] g/L	286	35	320	35	337	35
RDW %	21.8	5.0	20.3	5.0	19.5	5.0
PLT 10 ⁹ /L	73	25	216	45	538	85
MPV fL	10.6	1.5	9.5	1.5	9.0	1.5
PDW fL	12.3	3.0	14.4	1.7	13.6	1.7

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

Parameter ⁴	CONTROL ⁵ L		CONTROL ⁵ N		CONTROL ⁵ H	
	LOT 42950422		LOT 42950423		LOT 42950424	
	\bar{x}	+/-	\bar{x}	+/-	\bar{x}	+/-
WBC 10 ⁹ /L	2.0	0.4	8.1	0.6	20.8	2.5
LYM 10 ⁹ /L	1.3	0.5	3.3	0.5	4.4	1.5
LYM %	66.1	11.0	41.2	6.0	21.2	6.0
MID 10 ⁹ /L	0.2	0.2	0.7	0.3	2.2	1.0
MID %	7.0	6.0	8.2	5.0	10.5	5.0
GRAN 10 ⁹ /L	0.8	0.8	4.1	1.0	14.2	3.0
GRAN %	26.9	11.0	50.5	7.0	68.3	8.0
RBC 10 ¹² /L	2.27	0.15	4.37	0.20	5.43	0.25
HGB g/dL	5.4	0.5	11.8	0.6	15.7	0.7
[HGB] g/L	54	5	118	6	157	7
HCT %	17.3	2.0	35.4	3.0	45.6	4.0
[HCT] L/L	0.173	0.020	0.354	0.030	0.456	0.040
MCV fL	76	6	81	6	84	6
MCH pg	23.8	2.0	27.0	2.0	28.9	2.0
MCHC g/dL	31.2	3.0	33.3	3.0	34.4	3.0
[MCHC] g/L	312	30	333	30	344	30
RDW %	19.1	5.0	17.1	5.0	16.6	5.0
PLT 10 ⁹ /L	73	15	237	30	613	60
PCT %	0.05	0.03	0.16	0.06	0.42	0.20
MPV fL	7.1	1.5	6.8	1.5	6.8	1.5
PDW %	15.2	5.5	14.2	3.7	13.9	2.7

Instrument³
HTI® MicroCC-20 Plus

Parameter ⁴	CONTROL ⁵ L		CONTROL ⁵ N		CONTROL ⁵ H	
	LOT 42950422		LOT 42950423		LOT 42950424	
	\bar{x}	+/-	\bar{x}	+/-	\bar{x}	+/-
WBC 10 ⁹ /L	1.9	0.4	7.3	0.6	18.0	2.5
LYM 10 ⁹ /L	1.1	0.5	2.3	0.5	3.0	1.5
LYM %	58.1	8.0	31.2	6.0	16.4	6.0
MID 10 ⁹ /L	0.2	0.2	0.7	0.3	1.9	1.0
MID %	8.2	4.5	10.1	5.0	10.5	5.0
GRAN 10 ⁹ /L	0.8	0.8	4.3	1.0	13.2	3.0
GRAN %	33.7	8.0	58.7	7.0	73.2	8.0
RBC 10 ¹² /L	2.14	0.15	4.17	0.20	5.17	0.25
HGB g/dL	5.6	0.5	11.8	0.6	15.5	0.7
[HGB] g/L	56	5	118	6	155	7
HCT %	17.5	2.0	35.8	3.0	45.9	4.0
[HCT] L/L	0.175	0.020	0.358	0.030	0.459	0.040
MCV fL	81.7	6.0	85.9	6.0	88.7	6.0
MCH pg	26.2	2.0	28.3	2.0	30.0	2.0
MCHC g/dL	32.0	3.0	33.0	3.0	33.8	3.0
[MCHC] g/L	320	30	330	30	338	30
RDW %	14.4	5.0	14.0	5.0	13.7	5.0
RDW-SD fL	43.5	3.5	44.9	8.4	45.5	3.7
PLT 10 ⁹ /L	74	25	225	30	552	60
PCT %	0.06	0.02	0.17	0.17	0.57	0.57
MPV fL	7.7	1.5	7.4	1.5	7.3	1.5
PDW %	9.3	1.9	10.5	2.0	10.4	1.4
P-LCR %	13.0	13.0	10.0	10.0	7.2	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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