

Para 12[®] Extend



Multi-Parameter Assayed Hematology Control¹



2026-03-30

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 52650422		LOT 52650423		LOT 52650424	
	Parameter ⁴	\bar{x}	+/-	\bar{x}	+/-	\bar{x}
WBC 10 ⁹ /L	2.3	0.4	8.3	0.6	20.3	2.5
LYM 10 ⁹ /L	1.5	0.5	3.1	0.5	4.3	1.5
LYM %	64.5	8.0	37.4	6.0	21.4	6.0
MID 10 ⁹ /L	0.2	0.2	0.4	0.3	1.0	1.0
MID %	4.5	4.5	5.0	5.0	5.0	5.0
GRAN 10 ⁹ /L	0.8	0.8	4.8	1.0	15.1	3.0
GRAN %	32.2	8.0	57.9	7.0	74.3	8.0
RBC 10 ¹² /L	2.13	0.15	4.06	0.20	5.11	0.25
HGB g/dL	5.4	0.5	11.1	0.6	15.3	0.7
[HGB] g/L	54	5	111	6	153	7
HCT %	16.0	2.0	32.9	3.0	45.0	4.0
[HCT] L/L	0.160	0.020	0.329	0.030	0.450	0.040
MCV fL	75	6	81	6	88	6
MCH pg	25.4	2.0	27.3	2.0	29.9	2.0
MCHC g/dL	33.8	3.0	33.7	3.0	34.0	3.0
[MCHC] g/L	338	30	337	30	340	30
RDW %	17.6	5.0	16.1	5.0	16.2	5.0
PLT 10 ⁹ /L	78	15	215	30	535	60
MPV fL	10.4	1.5	9.6	1.5	9.4	1.5

Instrument ³ Beckman Coulter [®] AcT Series / AcT diff/ AcT diff2	CONTROL ⁵ L		CONTROL ⁵ N		CONTROL ⁵ H	
	LOT 52650422		LOT 52650423		LOT 52650424	
	Parameter ⁴	\bar{x}	+/-	\bar{x}	+/-	\bar{x}
WBC 10 ⁹ /L	2.4	0.4	8.4	1.0	21.4	2.5
LYM 10 ⁹ /L	1.3	0.6	2.3	1.2	2.8	2.0
LYM %	54.4	10.0	27.0	9.0	13.0	6.0
MID 10 ⁹ /L	0.2	0.2	0.6	0.3	1.4	1.2
MID %	7.0	6.0	7.6	5.0	6.4	5.0
GRAN 10 ⁹ /L	0.9	0.8	5.5	2.0	17.2	3.5
GRAN %	38.6	10.0	65.4	9.0	80.6	8.0
RBC 10 ¹² /L	2.16	0.20	4.11	0.25	5.21	0.30
HGB g/dL	5.3	0.5	11.3	0.7	15.7	1.0
[HGB] g/L	53	5	113	7	157	10
HCT %	16.9	2.0	34.1	4.5	46.3	4.5
[HCT] L/L	0.169	0.020	0.341	0.045	0.463	0.045
MCV fL	78.1	6.0	82.9	7.0	88.9	7.0
MCH pg	24.5	2.5	27.5	2.5	30.1	2.5
MCHC g/dL	31.4	3.5	33.1	3.5	33.9	3.5
[MCHC] g/L	314	35	331	35	339	35
RDW %	19.2	5.0	17.4	5.0	17.4	5.0
PLT 10 ⁹ /L	62	25	185	35	495	85
MPV fL	10.2	1.5	10.3	1.5	10.4	1.5

Instrument ³ Mindray [®] BC-3200	CONTROL ⁵ L		CONTROL ⁵ N		CONTROL ⁵ H	
	LOT 52650422		LOT 52650423		LOT 52650424	
	Parameter ⁴	\bar{x}	+/-	\bar{x}	+/-	\bar{x}
WBC 10 ⁹ /L	2.3	0.4	8.5	1.0	20.2	2.5
LYM 10 ⁹ /L	1.2	0.6	2.2	1.2	2.6	2.0
LYM %	52.4	10.0	26.2	9.0	12.9	6.0
MID 10 ⁹ /L	0.2	0.2	0.7	0.3	1.5	1.2
MID %	7.0	6.0	8.1	5.0	7.2	5.0
GRAN 10 ⁹ /L	0.9	0.8	5.6	2.0	16.1	3.5
GRAN %	40.7	10.0	65.8	9.0	79.9	8.0
RBC 10 ¹² /L	2.25	0.20	4.21	0.40	5.32	0.40
HGB g/dL	5.5	0.5	11.5	1.0	16.0	1.2
[HGB] g/L	55	5	115	10	160	12
HCT %	18.6	2.5	37.0	4.5	50.2	4.5
[HCT] L/L	0.186	0.025	0.370	0.045	0.502	0.045
MCV fL	82.7	6.0	88.0	7.0	94.3	7.0
MCH pg	24.4	2.5	27.3	2.5	30.1	2.5
MCHC g/dL	29.6	3.5	31.1	3.5	31.9	3.5
[MCHC] g/L	296	35	311	35	319	35
RDW %	15.5	5.0	14.5	5.0	14.5	5.0
PLT 10 ⁹ /L	81	25	203	35	491	85
MPV fL	9.4	1.5	8.8	1.5	8.8	1.5

Instrument ³ Mindray [®] BC-3600	CONTROL ⁵ L		CONTROL ⁵ N		CONTROL ⁵ H	
	LOT 52650422		LOT 52650423		LOT 52650424	
	Parameter ⁴	\bar{x}	+/-	\bar{x}	+/-	\bar{x}
WBC 10 ⁹ /L	2.2	0.4	7.7	1.0	18.4	2.5
LYM 10 ⁹ /L	1.2	0.6	2.2	1.2	2.8	2.0
LYM %	55.7	10.0	29.1	9.0	15.1	6.0
MID 10 ⁹ /L	0.2	0.2	0.6	0.3	1.3	1.2
MID %	6.8	6.0	7.9	5.0	6.8	5.0
GRAN 10 ⁹ /L	0.9	0.8	4.9	2.0	14.4	3.5
GRAN %	37.4	10.0	63.0	9.0	78.1	8.0
RBC 10 ¹² /L	2.19	0.20	4.18	0.40	5.27	0.40
HGB g/dL	5.2	0.5	11.2	1.0	16.0	1.2
[HGB] g/L	52	5	112	10	160	12
HCT %	17.1	2.5	34.6	4.5	46.4	4.5
[HCT] L/L	0.171	0.025	0.346	0.045	0.464	0.045
MCV fL	78.2	6.0	82.7	7.0	88.1	7.0
MCH pg	23.7	2.5	26.8	2.5	30.4	2.5
MCHC g/dL	30.4	3.5	32.4	3.5	34.5	3.5
[MCHC] g/L	304	35	324	35	345	35
RDW %	16.5	5.0	15.5	5.0	15.4	5.0
PLT 10 ⁹ /L	72	25	216	35	557	85
MPV fL	9.0	1.5	8.8	1.5	8.7	1.5



Streck
7002 S. 109 Street
La Vista, NE 68128 USA

EC REP

MediMax[®] Europe
11, rue Emile Zola, BP 2332
38033 Grenoble Cedex 2, France

Instrument³
ERMA PCE-210

Parameter ⁴	CONTROL ⁵ L		CONTROL ⁵ N		CONTROL ⁵ H	
	LOT 52650422		LOT 52650423		LOT 52650424	
	\bar{x}	+/-	\bar{x}	+/-	\bar{x}	+/-
WBC 10 ⁹ /L	2.1	0.4	8.2	0.7	20.5	2.5
LYM 10 ⁹ /L	1.0	0.5	1.9	0.5	2.5	1.5
LYM %	47.5	8.0	23.5	6.0	12.1	6.0
MID 10 ⁹ /L	0.2	0.2	0.4	0.3	1.0	1.0
MID %	6.0	6.0	5.0	5.0	5.0	5.0
GRAN 10 ⁹ /L	1.0	0.8	5.9	1.0	17.4	3.0
GRAN %	47.5	8.0	71.6	7.0	84.7	8.0
RBC 10 ¹² /L	2.28	0.20	4.29	0.25	5.34	0.35
HGB g/dL	5.5	0.8	11.7	0.9	16.3	1.0
[HGB] g/L	55	8	117	9	163	10
HCT %	18.7	2.0	37.5	4.5	49.9	4.5
[HCT] L/L	0.187	0.020	0.375	0.045	0.499	0.045
MCV fL	82.1	6.0	87.3	7.0	93.4	7.0
MCH pg	24.1	2.5	27.3	3.0	30.5	3.0
MCHC g/dL	29.4	3.5	31.2	3.5	32.7	3.5
[MCHC] g/L	294	35	312	35	327	35
RDW %	20.4	5.0	19.2	5.0	19.3	5.0
PLT 10 ⁹ /L	79	25	203	45	506	85
MPV fL	11.1	1.5	10.0	1.5	9.9	1.5
PDW fL	13.1	3.0	10.5	1.7	11.3	1.7

Instrument³
HTI® MicroCC-20 Plus

Parameter ⁴	CONTROL ⁵ L		CONTROL ⁵ N		CONTROL ⁵ H	
	LOT 52650422		LOT 52650423		LOT 52650424	
	\bar{x}	+/-	\bar{x}	+/-	\bar{x}	+/-
WBC 10 ⁹ /L	2.1	0.4	7.2	0.6	17.0	2.5
LYM 10 ⁹ /L	1.2	0.5	2.3	0.5	2.8	1.5
LYM %	58.0	8.0	31.6	6.0	16.2	6.0
MID 10 ⁹ /L	0.2	0.2	0.7	0.3	1.5	1.0
MID %	8.4	4.5	10.0	5.0	9.1	5.0
GRAN 10 ⁹ /L	0.8	0.8	4.2	1.0	12.7	3.0
GRAN %	33.7	8.0	58.4	7.0	74.7	8.0
RBC 10 ¹² /L	2.13	0.15	4.00	0.20	5.03	0.25
HGB g/dL	5.6	0.5	11.4	0.6	15.7	0.7
[HGB] g/L	56	5	114	6	157	7
HCT %	18.1	2.0	35.6	3.0	47.7	4.0
[HCT] L/L	0.181	0.020	0.356	0.030	0.477	0.040
MCV fL	84.9	6.0	89.1	6.0	94.8	6.0
MCH pg	26.3	2.0	28.5	2.0	31.2	2.0
MCHC g/dL	30.9	3.0	32.0	3.0	32.9	3.0
[MCHC] g/L	309	30	320	30	329	30
RDW %	13.5	5.0	13.4	5.0	13.3	5.0
RDW-SD fL	41.4	3.5	42.9	8.4	45.9	3.7
PLT 10 ⁹ /L	77	25	213	30	508	60
PCT %	0.06	0.02	0.17	0.17	0.57	0.57
MPV fL	8.1	1.5	7.8	1.5	7.9	1.5
PDW %	9.7	1.9	9.6	2.0	9.4	1.4
P-LCR %	13.0	13.0	10.3	10.0	9.6	6.7

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

Parameter ⁴	CONTROL ⁵ L		CONTROL ⁵ N		CONTROL ⁵ H	
	LOT 52650422		LOT 52650423		LOT 52650424	
	\bar{x}	+/-	\bar{x}	+/-	\bar{x}	+/-
WBC 10 ⁹ /L	2.3	0.4	8.2	0.6	20.2	2.5
LYM 10 ⁹ /L	1.7	0.5	3.7	0.5	5.7	1.5
LYM %	74.8	11.0	44.9	6.0	28.3	6.0
MID 10 ⁹ /L	0.2	0.2	0.7	0.3	1.8	1.0
MID %	6.7	6.0	8.4	5.0	9.0	5.0
GRAN 10 ⁹ /L	0.8	0.8	3.8	1.0	12.7	3.0
GRAN %	18.5	11.0	46.7	7.0	62.7	8.0
RBC 10 ¹² /L	2.21	0.15	4.16	0.20	5.21	0.25
HGB g/dL	5.4	0.5	11.3	0.6	15.8	0.7
[HGB] g/L	54	5	113	6	158	7
HCT %	17.2	2.0	34.5	3.0	46.4	4.0
[HCT] L/L	0.172	0.020	0.345	0.030	0.464	0.040
MCV fL	78	6	83	6	89	6
MCH pg	24.4	2.0	27.2	2.0	30.3	2.0
MCHC g/dL	31.4	3.0	32.8	3.0	34.1	3.0
[MCHC] g/L	314	30	328	30	341	30
RDW %	19.6	5.0	18.3	5.0	18.0	5.0
PLT 10 ⁹ /L	82	15	237	30	595	60
PCT %	0.07	0.03	0.19	0.06	0.47	0.20
MPV fL	8.2	1.5	7.8	1.5	7.9	1.5
PDW %	14.8	5.5	13.6	3.7	13.4	2.7

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.

All product names, logos, brands, and marks are property of their respective owners.

Všechny názvy produktů, loga a obchodní značky jsou majetkem příslušných vlastníků. / Tous les noms, logos, marques et labels de produits sont la propriété de leurs propriétaires respectifs. / Alle Produktnamen, Logos, Marken und Zeichen sind Eigentum ihrer jeweiligen Besitzer. / Tutti i nomi dei prodotti, i loghi, i marchi e le marche sono di proprietà dei rispettivi titolari. / Produktnavn, logoer, varemerker og merker tilhører sine respektive eiere. / Wszystkie nazwy produktów, logo, marki i znaki należą do ich właścicieli. / Todos los nombres de productos, logotipos, marcas comerciales y otras marcas son propiedad de sus respectivos propietarios. / Alla produktnamn, logotyper, varumärken och märken tillhör respektive innehavare.