

Para 12[®] Extend



Multi-Parameter Assayed Hematology Control¹



2026-12-07

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 61520422		LOT 61520423		LOT 61520424	
	Parameter ⁴	\bar{x}	+/-	\bar{x}	+/-	\bar{x}
WBC 10 ⁹ /L	2.1	0.4	8.4	0.6	20.7	2.5
LYM 10 ⁹ /L	1.3	0.5	3.0	0.5	4.2	1.5
LYM %	63.2	8.0	35.4	6.0	20.1	6.0
MID 10 ⁹ /L	0.2	0.2	0.5	0.3	1.3	1.0
MID %	5.2	4.5	6.2	5.0	6.3	5.0
GRAN 10 ⁹ /L	0.8	0.8	4.9	1.0	15.3	3.0
GRAN %	31.6	8.0	58.4	7.0	73.7	8.0
RBC 10 ¹² /L	2.18	0.15	4.05	0.20	5.11	0.25
HGB g/dL	5.3	0.5	11.0	0.6	15.1	0.7
[HGB] g/L	53	5	110	6	151	7
HCT %	15.9	2.0	32.0	3.0	43.4	4.0
[HCT] L/L	0.159	0.020	0.320	0.030	0.434	0.040
MCV fL	73	6	79	6	85	6
MCH pg	24.3	2.0	27.2	2.0	29.5	2.0
MCHC g/dL	33.3	3.0	34.4	3.0	34.8	3.0
[MCHC] g/L	333	30	344	30	348	30
RDW %	16.9	5.0	15.7	5.0	14.9	5.0
PLT 10 ⁹ /L	77	15	219	30	570	60
MPV fL	9.8	1.5	9.4	1.5	9.1	1.5

Instrument ³ Beckman Coulter [®] AcT Series / AcT diff/ AcT diff2	CONTROL ⁵ L		CONTROL ⁵ N		CONTROL ⁵ H	
	LOT 61520422		LOT 61520423		LOT 61520424	
	Parameter ⁴	\bar{x}	+/-	\bar{x}	+/-	\bar{x}
WBC 10 ⁹ /L	2.3	0.4	8.4	1.0	21.3	2.5
LYM 10 ⁹ /L	1.3	0.6	2.3	1.2	3.0	2.0
LYM %	54.6	10.0	27.9	9.0	13.9	6.0
MID 10 ⁹ /L	0.2	0.2	0.7	0.3	1.9	1.2
MID %	6.4	6.0	8.4	5.0	8.7	5.0
GRAN 10 ⁹ /L	0.9	0.8	5.4	2.0	16.5	3.5
GRAN %	38.9	10.0	63.7	9.0	77.4	8.0
RBC 10 ¹² /L	2.25	0.20	4.12	0.25	5.15	0.30
HGB g/dL	5.3	0.5	11.1	0.7	15.3	1.0
[HGB] g/L	53	5	111	7	153	10
HCT %	16.6	2.0	32.5	4.5	43.8	4.5
[HCT] L/L	0.166	0.020	0.325	0.045	0.438	0.045
MCV fL	73.8	6.0	78.9	7.0	85.0	7.0
MCH pg	23.6	2.5	26.9	2.5	29.7	2.5
MCHC g/dL	31.9	3.5	34.2	3.5	34.9	3.5
[MCHC] g/L	319	35	342	35	349	35
RDW %	18.5	5.0	18.1	5.0	16.6	5.0
PLT 10 ⁹ /L	66	25	192	35	523	85
MPV fL	9.7	1.5	9.9	1.5	10.0	1.5

Instrument ³ Mindray [®] BC-3200	CONTROL ⁵ L		CONTROL ⁵ N		CONTROL ⁵ H	
	LOT 61520422		LOT 61520423		LOT 61520424	
	Parameter ⁴	\bar{x}	+/-	\bar{x}	+/-	\bar{x}
WBC 10 ⁹ /L	2.2	0.4	8.5	1.0	20.7	2.5
LYM 10 ⁹ /L	1.1	0.6	2.1	1.2	2.5	2.0
LYM %	51.7	10.0	25.0	9.0	11.9	6.0
MID 10 ⁹ /L	0.2	0.2	0.7	0.3	1.6	1.2
MID %	8.7	6.0	8.5	5.0	7.9	5.0
GRAN 10 ⁹ /L	0.9	0.8	5.7	2.0	16.6	3.5
GRAN %	39.6	10.0	66.6	9.0	80.2	8.0
RBC 10 ¹² /L	2.25	0.20	4.10	0.40	5.18	0.40
HGB g/dL	5.4	0.5	11.2	1.0	15.6	1.2
[HGB] g/L	54	5	112	10	156	12
HCT %	17.3	2.5	33.2	4.5	45.1	4.5
[HCT] L/L	0.173	0.025	0.332	0.045	0.451	0.045
MCV fL	76.9	6.0	81.0	7.0	87.1	7.0
MCH pg	24.0	2.5	27.3	2.5	30.1	2.5
MCHC g/dL	31.2	3.5	33.7	3.5	34.6	3.5
[MCHC] g/L	312	35	337	35	346	35
RDW %	15.5	5.0	15.4	5.0	14.2	5.0
PLT 10 ⁹ /L	82	25	215	35	528	85
MPV fL	8.8	1.5	8.7	1.5	8.5	1.5

Instrument ³ Mindray [®] BC-3600	CONTROL ⁵ L		CONTROL ⁵ N		CONTROL ⁵ H	
	LOT 61520422		LOT 61520423		LOT 61520424	
	Parameter ⁴	\bar{x}	+/-	\bar{x}	+/-	\bar{x}
WBC 10 ⁹ /L	2.0	0.4	7.8	1.0	18.8	2.5
LYM 10 ⁹ /L	1.1	0.6	2.3	1.2	2.9	2.0
LYM %	55.3	10.0	29.1	9.0	15.3	6.0
MID 10 ⁹ /L	0.2	0.2	0.6	0.3	1.4	1.2
MID %	7.6	6.0	8.0	5.0	7.6	5.0
GRAN 10 ⁹ /L	0.9	0.8	4.9	2.0	14.5	3.5
GRAN %	37.1	10.0	62.9	9.0	77.0	8.0
RBC 10 ¹² /L	2.23	0.20	4.12	0.40	5.20	0.40
HGB g/dL	5.1	0.5	10.9	1.0	15.4	1.2
[HGB] g/L	51	5	109	10	154	12
HCT %	17.0	2.5	33.4	4.5	44.9	4.5
[HCT] L/L	0.170	0.025	0.334	0.045	0.449	0.045
MCV fL	76.1	6.0	81.1	7.0	86.4	7.0
MCH pg	22.9	2.5	26.5	2.5	29.6	2.5
MCHC g/dL	30.0	3.5	32.6	3.5	34.3	3.5
[MCHC] g/L	300	35	326	35	343	35
RDW %	16.0	5.0	15.6	5.0	14.4	5.0
PLT 10 ⁹ /L	73	25	216	35	583	85
MPV fL	8.6	1.5	8.5	1.5	8.4	1.5



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Instrument³
ERMA PCE-210

Parameter ⁴	CONTROL ⁵ L		CONTROL ⁵ N		CONTROL ⁵ H		
	LOT	61520422	LOT	61520423	LOT	61520424	
	\bar{x}	+/-	\bar{x}	+/-	\bar{x}	+/-	
WBC	10 ⁹ /L	2.0	0.4	8.1	0.7	20.8	2.5
LYM	10 ⁹ /L	1.0	0.5	2.0	0.5	2.0	1.5
LYM	%	49.8	8.0	24.3	6.0	9.8	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	0.9	0.8	5.8	1.0	18.2	3.0
GRAN	%	47.2	8.0	71.2	7.0	87.5	8.0
RBC	10 ¹² /L	2.31	0.20	4.14	0.25	5.14	0.35
HGB	g/dL	5.2	0.8	11.3	0.9	15.9	1.0
[HGB]	g/L	52	8	113	9	159	10
HCT	%	17.5	2.0	32.6	4.5	43.6	4.5
[HCT]	L/L	0.175	0.020	0.326	0.045	0.436	0.045
MCV	fL	75.8	6.0	78.8	7.0	84.9	7.0
MCH	pg	22.5	2.5	27.3	3.0	30.9	3.0
MCHC	g/dL	29.7	3.5	34.7	3.5	36.5	3.5
[MCHC]	g/L	297	35	347	35	365	35
RDW	%	20.9	5.0	20.7	5.0	19.5	5.0
PLT	10 ⁹ /L	72	25	209	45	534	85
MPV	fL	10.6	1.5	9.8	1.5	9.3	1.5
PDW	fL	12.1	3.0	11.0	1.7	11.0	1.7

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

Parameter ⁴	CONTROL ⁵ L		CONTROL ⁵ N		CONTROL ⁵ H		
	LOT	61520422	LOT	61520423	LOT	61520424	
	\bar{x}	+/-	\bar{x}	+/-	\bar{x}	+/-	
WBC	10 ⁹ /L	2.1	0.4	8.1	0.6	20.4	2.5
LYM	10 ⁹ /L	1.5	0.5	3.5	0.5	5.2	1.5
LYM	%	69.8	11.0	42.6	6.0	25.4	6.0
MID	10 ⁹ /L	0.2	0.2	0.6	0.3	1.9	1.0
MID	%	7.3	6.0	8.0	5.0	9.3	5.0
GRAN	10 ⁹ /L	0.8	0.8	4.0	1.0	13.3	3.0
GRAN	%	22.9	11.0	49.4	7.0	65.3	8.0
RBC	10 ¹² /L	2.27	0.15	4.11	0.20	5.17	0.25
HGB	g/dL	5.2	0.5	10.9	0.6	15.3	0.7
[HGB]	g/L	52	5	109	6	153	7
HCT	%	17.0	2.0	32.9	3.0	44.5	4.0
[HCT]	L/L	0.170	0.020	0.329	0.030	0.445	0.040
MCV	fL	75	6	80	6	86	6
MCH	pg	22.9	2.0	26.5	2.0	29.6	2.0
MCHC	g/dL	30.6	3.0	33.1	3.0	34.4	3.0
[MCHC]	g/L	306	30	331	30	344	30
RDW	%	19.0	5.0	18.1	5.0	16.6	5.0
PLT	10 ⁹ /L	79	15	227	30	615	60
PCT	%	0.06	0.03	0.17	0.06	0.46	0.20
MPV	fL	7.6	1.5	7.5	1.5	7.5	1.5
PDW	%	13.4	5.5	12.4	3.7	12.1	2.7

Instrument³
HTI® MicroCC-20 Plus

Parameter ⁴	CONTROL ⁵ L		CONTROL ⁵ N		CONTROL ⁵ H		
	LOT	61520422	LOT	61520423	LOT	61520424	
	\bar{x}	+/-	\bar{x}	+/-	\bar{x}	+/-	
WBC	10 ⁹ /L	2.0	0.4	7.4	0.6	17.4	2.5
LYM	10 ⁹ /L	1.2	0.5	2.3	0.5	2.9	1.5
LYM	%	57.5	8.0	31.7	6.0	16.5	6.0
MID	10 ⁹ /L	0.2	0.2	0.7	0.3	1.7	1.0
MID	%	8.6	4.5	9.5	5.0	9.7	5.0
GRAN	10 ⁹ /L	0.8	0.8	4.4	1.0	12.9	3.0
GRAN	%	33.9	8.0	58.8	7.0	73.9	8.0
RBC	10 ¹² /L	2.17	0.15	3.99	0.20	4.98	0.25
HGB	g/dL	5.4	0.5	10.9	0.6	14.9	0.7
[HGB]	g/L	54	5	109	6	149	7
HCT	%	17.2	2.0	33.4	3.0	44.3	4.0
[HCT]	L/L	0.172	0.020	0.334	0.030	0.443	0.040
MCV	fL	79.3	6.0	83.6	6.0	88.9	6.0
MCH	pg	24.9	2.0	27.3	2.0	29.9	2.0
MCHC	g/dL	31.4	3.0	32.6	3.0	33.6	3.0
[MCHC]	g/L	314	30	326	30	336	30
RDW	%	13.3	5.0	14.1	5.0	13.6	5.0
RDW-SD	fL	39.9	3.5	43.8	8.4	45.3	3.7
PLT	10 ⁹ /L	85	25	219	30	560	60
PCT	%	0.06	0.02	0.17	0.17	0.57	0.57
MPV	fL	7.9	1.5	7.8	1.5	7.8	1.5
PDW	%	9.5	1.9	9.2	2.0	9.3	1.4
P-LCR	%	13.0	13.0	10.0	10.0	7.7	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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