

# Para 12<sup>®</sup> Extend



Multi-Parameter Assayed Hematology Control<sup>1</sup>



2026-09-14

350307-45  
2024-07



streck.com/IFU

Rx Only

Open-vial stability 30 days<sup>2</sup>

Instrument <sup>3</sup> Horiba <sup>®</sup> ABX Micros <sup>®</sup> 60 / Horiba <sup>®</sup> ABX Micros <sup>®</sup> ES 60 / Siemens <sup>®</sup> ADVIA <sup>®</sup> 60		CONTROL <sup>5</sup> L		CONTROL <sup>5</sup> N		CONTROL <sup>5</sup> H	
		LOT 60680422		LOT 60680423		LOT 60680424	
Parameter <sup>4</sup>		$\bar{x}$	+/-	$\bar{x}$	+/-	$\bar{x}$	+/-
WBC	10 <sup>9</sup> /L	2.1	0.4	8.3	0.6	20.4	2.5
LYM	10 <sup>9</sup> /L	1.3	0.5	3.1	0.5	4.3	1.5
LYM	%	63.3	8.0	37.6	6.0	21.1	6.0
MID	10 <sup>9</sup> /L	0.2	0.2	0.5	0.3	1.3	1.0
MID	%	5.1	4.5	6.4	5.0	6.5	5.0
GRAN	10 <sup>9</sup> /L	0.8	0.8	4.6	1.0	14.8	3.0
GRAN	%	31.5	8.0	56.0	7.0	72.5	8.0
RBC	10 <sup>12</sup> /L	2.20	0.15	4.14	0.20	5.15	0.25
HGB	g/dL	5.5	0.5	10.8	0.6	14.8	0.7
[HGB]	g/L	55	5	108	6	148	7
HCT	%	16.1	2.0	32.3	3.0	43.3	4.0
[HCT]	L/L	0.161	0.020	0.323	0.030	0.433	0.040
MCV	fL	73	6	78	6	84	6
MCH	pg	25.0	2.0	26.1	2.0	28.7	2.0
MCHC	g/dL	34.2	3.0	33.4	3.0	34.2	3.0
[MCHC]	g/L	342	30	334	30	342	30
RDW	%	17.4	5.0	16.5	5.0	15.6	5.0
PLT	10 <sup>9</sup> /L	78	15	213	30	544	60
MPV	fL	9.4	1.5	8.9	1.5	8.7	1.5

Instrument <sup>3</sup> Beckman Coulter <sup>®</sup> Ac-T Series / Ac-T diff/ Ac-T diff2		CONTROL <sup>5</sup> L		CONTROL <sup>5</sup> N		CONTROL <sup>5</sup> H	
		LOT 60680422		LOT 60680423		LOT 60680424	
Parameter <sup>4</sup>		$\bar{x}$	+/-	$\bar{x}$	+/-	$\bar{x}$	+/-
WBC	10 <sup>9</sup> /L	2.2	0.4	8.4	1.0	21.0	2.5
LYM	10 <sup>9</sup> /L	1.2	0.6	2.4	1.2	2.9	2.0
LYM	%	53.9	10.0	28.6	9.0	13.7	6.0
MID	10 <sup>9</sup> /L	0.2	0.2	0.7	0.3	1.8	1.2
MID	%	7.4	6.0	8.6	5.0	8.7	5.0
GRAN	10 <sup>9</sup> /L	0.9	0.8	5.3	2.0	16.3	3.5
GRAN	%	38.8	10.0	62.8	9.0	77.6	8.0
RBC	10 <sup>12</sup> /L	2.22	0.20	4.16	0.25	5.20	0.30
HGB	g/dL	5.4	0.5	10.9	0.7	15.1	1.0
[HGB]	g/L	54	5	109	7	151	10
HCT	%	16.6	2.0	32.8	4.5	43.9	4.5
[HCT]	L/L	0.166	0.020	0.328	0.045	0.439	0.045
MCV	fL	74.8	6.0	78.8	7.0	84.4	7.0
MCH	pg	24.3	2.5	26.2	2.5	29.0	2.5
MCHC	g/dL	32.5	3.5	33.2	3.5	34.4	3.5
[MCHC]	g/L	325	35	332	35	344	35
RDW	%	19.0	5.0	18.0	5.0	16.9	5.0
PLT	10 <sup>9</sup> /L	64	25	193	35	507	85
MPV	fL	9.2	1.5	9.4	1.5	9.5	1.5

Instrument <sup>3</sup> Mindray <sup>®</sup> BC-3200		CONTROL <sup>5</sup> L		CONTROL <sup>5</sup> N		CONTROL <sup>5</sup> H	
		LOT 60680422		LOT 60680423		LOT 60680424	
Parameter <sup>4</sup>		$\bar{x}$	+/-	$\bar{x}$	+/-	$\bar{x}$	+/-
WBC	10 <sup>9</sup> /L	2.2	0.4	8.7	1.0	20.7	2.5
LYM	10 <sup>9</sup> /L	1.1	0.6	2.3	1.2	2.7	2.0
LYM	%	50.3	10.0	26.9	9.0	13.1	6.0
MID	10 <sup>9</sup> /L	0.2	0.2	0.8	0.3	1.6	1.2
MID	%	8.4	6.0	8.8	5.0	7.9	5.0
GRAN	10 <sup>9</sup> /L	0.9	0.8	5.6	2.0	16.4	3.5
GRAN	%	41.3	10.0	64.3	9.0	79.1	8.0
RBC	10 <sup>12</sup> /L	2.27	0.20	4.20	0.40	5.26	0.40
HGB	g/dL	5.5	0.5	11.0	1.0	15.0	1.2
[HGB]	g/L	55	5	110	10	150	12
HCT	%	17.8	2.5	34.5	4.5	46.1	4.5
[HCT]	L/L	0.178	0.025	0.345	0.045	0.461	0.045
MCV	fL	78.2	6.0	82.1	7.0	87.6	7.0
MCH	pg	24.2	2.5	26.2	2.5	28.5	2.5
MCHC	g/dL	30.9	3.5	31.9	3.5	32.5	3.5
[MCHC]	g/L	309	35	319	35	325	35
RDW	%	15.8	5.0	15.3	5.0	14.4	5.0
PLT	10 <sup>9</sup> /L	80	25	204	35	499	85
MPV	fL	8.6	1.5	8.3	1.5	8.1	1.5

Instrument <sup>3</sup> Mindray <sup>®</sup> BC-3600		CONTROL <sup>5</sup> L		CONTROL <sup>5</sup> N		CONTROL <sup>5</sup> H	
		LOT 60680422		LOT 60680423		LOT 60680424	
Parameter <sup>4</sup>		$\bar{x}$	+/-	$\bar{x}$	+/-	$\bar{x}$	+/-
WBC	10 <sup>9</sup> /L	2.0	0.4	7.7	1.0	18.2	2.5
LYM	10 <sup>9</sup> /L	1.1	0.6	2.4	1.2	2.9	2.0
LYM	%	54.3	10.0	31.2	9.0	16.1	6.0
MID	10 <sup>9</sup> /L	0.2	0.2	0.6	0.3	1.4	1.2
MID	%	7.7	6.0	8.2	5.0	7.8	5.0
GRAN	10 <sup>9</sup> /L	0.9	0.8	4.7	2.0	13.9	3.5
GRAN	%	38.0	10.0	60.6	9.0	76.1	8.0
RBC	10 <sup>12</sup> /L	2.25	0.20	4.16	0.40	5.20	0.40
HGB	g/dL	5.2	0.5	10.7	1.0	15.1	1.2
[HGB]	g/L	52	5	107	10	151	12
HCT	%	17.4	2.5	34.0	4.5	45.0	4.5
[HCT]	L/L	0.174	0.025	0.340	0.045	0.450	0.045
MCV	fL	77.5	6.0	81.7	7.0	86.5	7.0
MCH	pg	23.1	2.5	25.7	2.5	29.0	2.5
MCHC	g/dL	29.9	3.5	31.5	3.5	33.6	3.5
[MCHC]	g/L	299	35	315	35	336	35
RDW	%	16.2	5.0	15.7	5.0	15.1	5.0
PLT	10 <sup>9</sup> /L	74	25	207	35	547	85
MPV	fL	8.4	1.5	8.2	1.5	8.1	1.5



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Instrument<sup>3</sup>  
ERMA PCE-210

Parameter <sup>4</sup>	CONTROL <sup>5</sup> L		CONTROL <sup>5</sup> N		CONTROL <sup>5</sup> H	
	LOT 60680422		LOT 60680423		LOT 60680424	
	$\bar{x}$	+/-	$\bar{x}$	+/-	$\bar{x}$	+/-
WBC 10 <sup>9</sup> /L	2.0	0.4	8.1	0.7	20.2	2.5
LYM 10 <sup>9</sup> /L	1.0	0.5	2.2	0.5	2.4	1.5
LYM %	47.7	8.0	26.8	6.0	11.8	6.0
MID 10 <sup>9</sup> /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 <sup>9</sup> /L	1.0	0.8	5.7	1.0	17.3	3.0
GRAN %	49.0	8.0	70.0	7.0	85.4	8.0
RBC 10 <sup>12</sup> /L	2.36	0.20	4.45	0.25	5.35	0.35
HGB g/dL	5.3	0.8	11.3	0.9	15.7	1.0
[HGB] g/L	53	8	113	9	157	10
HCT %	18.2	2.0	36.4	4.5	46.1	4.5
[HCT] L/L	0.182	0.020	0.364	0.045	0.461	0.045
MCV fL	77.2	6.0	81.7	7.0	86.2	7.0
MCH pg	22.5	2.5	25.4	3.0	29.3	3.0
MCHC g/dL	29.1	3.5	31.0	3.5	34.1	3.5
[MCHC] g/L	291	35	310	35	341	35
RDW %	21.3	5.0	20.7	5.0	19.7	5.0
PLT 10 <sup>9</sup> /L	87	25	224	45	518	85
MPV fL	9.5	1.5	8.9	1.5	8.7	1.5
PDW fL	9.2	3.0	10.6	1.7	10.9	1.7

Instrument<sup>3</sup>  
Nihon Kohden® Celltac α  
MEK-6400 Series /  
MEK-6500

Parameter <sup>4</sup>	CONTROL <sup>5</sup> L		CONTROL <sup>5</sup> N		CONTROL <sup>5</sup> H	
	LOT 60680422		LOT 60680423		LOT 60680424	
	$\bar{x}$	+/-	$\bar{x}$	+/-	$\bar{x}$	+/-
WBC 10 <sup>9</sup> /L	2.1	0.4	8.1	0.6	20.2	2.5
LYM 10 <sup>9</sup> /L	1.5	0.5	4.0	0.5	5.6	1.5
LYM %	70.5	11.0	49.7	6.0	27.7	6.0
MID 10 <sup>9</sup> /L	0.2	0.2	0.7	0.3	2.1	1.0
MID %	8.3	6.0	8.4	5.0	10.3	5.0
GRAN 10 <sup>9</sup> /L	0.8	0.8	3.4	1.0	12.5	3.0
GRAN %	21.2	11.0	41.9	7.0	62.0	8.0
RBC 10 <sup>12</sup> /L	2.26	0.15	4.18	0.20	5.20	0.25
HGB g/dL	5.4	0.5	10.9	0.6	15.1	0.7
[HGB] g/L	54	5	109	6	151	7
HCT %	17.4	2.0	34.3	3.0	45.2	4.0
[HCT] L/L	0.174	0.020	0.343	0.030	0.452	0.040
MCV fL	77	6	82	6	87	6
MCH pg	23.9	2.0	26.1	2.0	29.0	2.0
MCHC g/dL	31.0	3.0	31.8	3.0	33.4	3.0
[MCHC] g/L	310	30	318	30	334	30
RDW %	19.8	5.0	18.8	5.0	17.5	5.0
PLT 10 <sup>9</sup> /L	80	15	226	30	587	60
PCT %	0.06	0.03	0.16	0.06	0.41	0.20
MPV fL	7.1	1.5	7.1	1.5	7.0	1.5
PDW %	14.9	5.5	13.8	3.7	12.8	2.7

Instrument<sup>3</sup>  
HTI® MicroCC-20 Plus

Parameter <sup>4</sup>	CONTROL <sup>5</sup> L		CONTROL <sup>5</sup> N		CONTROL <sup>5</sup> H	
	LOT 60680422		LOT 60680423		LOT 60680424	
	$\bar{x}$	+/-	$\bar{x}$	+/-	$\bar{x}$	+/-
WBC 10 <sup>9</sup> /L	1.9	0.4	7.1	0.6	16.5	2.5
LYM 10 <sup>9</sup> /L	1.1	0.5	2.4	0.5	2.9	1.5
LYM %	56.7	8.0	33.6	6.0	17.6	6.0
MID 10 <sup>9</sup> /L	0.2	0.2	0.7	0.3	1.6	1.0
MID %	8.9	4.5	9.7	5.0	9.7	5.0
GRAN 10 <sup>9</sup> /L	0.8	0.8	4.0	1.0	12.0	3.0
GRAN %	34.4	8.0	56.7	7.0	72.7	8.0
RBC 10 <sup>12</sup> /L	2.17	0.15	4.06	0.20	5.06	0.25
HGB g/dL	5.5	0.5	10.8	0.6	14.7	0.7
[HGB] g/L	55	5	108	6	147	7
HCT %	17.7	2.0	34.6	3.0	45.4	4.0
[HCT] L/L	0.177	0.020	0.346	0.030	0.454	0.040
MCV fL	81.5	6.0	85.1	6.0	89.8	6.0
MCH pg	25.3	2.0	26.6	2.0	29.1	2.0
MCHC g/dL	31.1	3.0	31.2	3.0	32.4	3.0
[MCHC] g/L	311	30	312	30	324	30
RDW %	13.6	5.0	13.4	5.0	13.3	5.0
RDW-SD fL	41.9	3.5	43.3	8.4	44.8	3.7
PLT 10 <sup>9</sup> /L	81	25	217	30	537	60
PCT %	0.06	0.02	0.17	0.17	0.57	0.57
MPV fL	7.6	1.5	7.5	1.5	7.5	1.5
PDW %	9.1	1.9	9.6	2.0	9.5	1.4
P-LCR %	13.0	13.0	10.0	10.0	7.0	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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