Para 12® Extend

CE

STRECK

Multi-Parameter Assayed Hematology Control[1]

Open-vial stability 30 days[2]

2018-08-27

350307-36
2017-09

Instrument [3] Abbott CELL-DYN® 1400*, 1600, 1700		CONTROL[5] L LOT 80500422		CONTROL[5] N LOT 80500423		CONTROL[5] H LOT 80500424	
Parameter [4]		$\bar{x}$	+/-	$\bar{x}$	+/-	$\bar{x}$	+/-
WBC	10^9/L	2.5	0.4	9.3	1.0	23.5	2.5
LYM	10^9/L	1.3	0.6	2.6	1.2	3.1	2.0
LYM	%	53.1	10.0	28.4	9.0	13.4	6.0
MID	10^9/L	0.2	0.2	0.6	0.3	1.5	1.2
MID	%	4.7	4.5	6.6	5.0	6.5	5.0
GRAN	10^9/L	1.1	0.8	6.0	2.0	18.8	3.5
GRAN	%	42.2	10.0	65.0	9.0	80.1	8.0
RBC	10^{12}/L	2.33	0.20	4.40	0.25	5.49	0.30
HGB	g/dL	5.9	0.5	11.8	0.7	16.1	1.0
[HGB]	g/L	59	5	118	7	161	10
HCT	%	17.9	2.0	35.6	4.5	46.7	4.5
[HCT]	L/L	0.179	0.020	0.356	0.045	0.467	0.045
MCV	fL	77	6	81	7	85	7
MCH	pg	25.3	2.5	26.8	2.5	29.3	2.5
MCHC	g/dL	33.0	3.5	33.1	3.5	34.5	3.5
[MCHC]	g/L	330	35	331	35	345	35
RDW	%	20.6	5.0	19.9	5.0	18.8	5.0
PLT	10^9/L	72	25	250	35	623	85
MPV	fL	NA	NA	8.9	1.5	8.7	1.5

Instrument [3] Abbott CELL-DYN® 1800**		CONTROL[5] L LOT 80500422		CONTROL[5] N LOT 80500423		CONTROL[5] H LOT 80500424	
Parameter [4]		$\bar{x}$	+/-	$\bar{x}$	+/-	$\bar{x}$	+/-
WBC	10^9/L	2.0	0.4	7.3	1.0	18.1	2.5
LYM	10^9/L	1.1	0.6	2.1	1.2	2.5	2.0
LYM	%	53.1	10.0	28.5	9.0	13.9	6.0
MID	10^9/L	0.2	0.2	0.7	0.3	1.6	1.2
MID	%	7.0	6.0	9.4	5.0	8.7	5.0
GRAN	10^9/L	0.8	0.8	4.5	2.0	14.0	3.5
GRAN	%	40.0	10.0	62.1	9.0	77.5	8.0
RBC	10^{12}/L	2.35	0.20	4.30	0.25	5.27	0.30
HGB	g/dL	5.9	0.5	12.1	0.7	16.2	1.0
[HGB]	g/L	59	5	121	7	162	10
HCT	%	18.3	2.0	35.7	4.5	46.4	4.5
[HCT]	L/L	0.183	0.020	0.357	0.045	0.464	0.045
MCV	fL	78	6	83	7	88	7
MCH	pg	25.1	2.5	28.1	2.5	30.7	2.5
MCHC	g/dL	32.2	3.5	33.9	3.5	34.9	3.5
[MCHC]	g/L	322	35	339	35	349	35
RDW	%	20.8	5.0	19.5	5.0	17.9	5.0
PLT	10^9/L	63	25	219	35	562	85
MPV	fL	NA	NA	9.2	1.5	9.6	1.5

Instrument [3] Beckman Coulter® Ac•T™ Series / Ac•T diff™/ Ac•T diff 2™		CONTROL[5] L LOT 80500422		CONTROL[5] N LOT 80500423		CONTROL[5] H LOT 80500424	
Parameter [4]		$\bar{x}$	+/-	$\bar{x}$	+/-	$\bar{x}$	+/-
WBC	10^9/L	2.2	0.4	8.3	1.0	22.0	2.5
LYM	10^9/L	1.2	0.6	2.3	1.2	2.9	2.0
LYM	%	52.4	10.0	27.4	9.0	13.0	6.0
MID	10^9/L	0.2	0.2	0.9	0.3	2.2	1.2
MID	%	6.0	6.0	10.4	5.0	10.0	5.0
GRAN	10^9/L	0.9	0.8	5.2	2.0	16.9	3.5
GRAN	%	41.7	10.0	62.2	9.0	77.0	8.0
RBC	10^{12}/L	2.27	0.20	4.33	0.25	5.41	0.30
HGB	g/dL	5.7	0.5	11.6	0.7	15.8	1.0
[HGB]	g/L	57	5	116	7	158	10
HCT	%	17.5	2.0	35.1	4.5	46.4	4.5
[HCT]	L/L	0.175	0.020	0.351	0.045	0.464	0.045
MCV	fL	77.0	6.0	81.0	7.0	85.8	7.0
MCH	pg	25.1	2.5	26.8	2.5	29.2	2.5
MCHC	g/dL	32.6	3.5	33.0	3.5	34.1	3.5
[MCHC]	g/L	326	35	330	35	341	35
RDW	%	18.9	5.0	17.8	5.0	16.6	5.0
PLT	10^9/L	66	25	216	35	524	85
MPV	fL	9.1	1.5	9.2	1.5	9.4	1.5

Instrument [3] Mindray BC-3200		CONTROL[5] L LOT 80500422		CONTROL[5] N LOT 80500423		CONTROL[5] H LOT 80500424	
Parameter [4]		$\bar{x}$	+/-	$\bar{x}$	+/-	$\bar{x}$	+/-
WBC	10^9/L	2.1	0.4	8.1	1.0	20.7	2.5
LYM	10^9/L	1.1	0.6	2.1	1.2	2.6	2.0
LYM	%	50.3	10.0	25.8	9.0	12.6	6.0
MID	10^9/L	0.2	0.2	0.8	0.3	2.0	1.2
MID	%	6.4	6.0	9.9	5.0	9.7	5.0
GRAN	10^9/L	0.9	0.8	5.2	2.0	16.1	3.5
GRAN	%	43.4	10.0	64.4	9.0	77.7	8.0
RBC	10^{12}/L	2.32	0.20	4.33	0.40	5.38	0.40
HGB	g/dL	5.8	0.5	11.8	1.0	15.8	1.2
[HGB]	g/L	58	5	118	10	158	12
HCT	%	18.2	2.5	36.1	4.5	47.3	4.5
[HCT]	L/L	0.182	0.025	0.361	0.045	0.473	0.045
MCV	fL	78.5	6.0	83.4	7.0	88.0	7.0
MCH	pg	25.0	2.5	27.3	2.5	29.4	2.5
MCHC	g/dL	31.9	3.5	32.7	3.5	33.4	3.5
[MCHC]	g/L	319	35	327	35	334	35
RDW	%	15.7	5.0	15.2	5.0	14.3	5.0
PLT	10^9/L	79	25	228	35	523	85
MPV	fL	8.7	1.5	8.3	1.5	8.1	1.5

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Instrument [3] Mindray BC-3600		CONTROL[5] L		CONTROL[5] N		CONTROL[5] H	
		LOT 80500422		LOT 80500423		LOT 80500424	
Parameter [4]		$\bar{x}$	+/-	$\bar{x}$	+/-	$\bar{x}$	+/-
WBC	10^9/L	1.8	0.4	6.8	1.0	17.1	2.5
LYM	10^9/L	1.0	0.6	1.9	1.2	2.3	2.0
LYM	%	53.7	10.0	28.4	9.0	13.7	6.0
MID	10^9/L	0.2	0.2	0.7	0.3	1.9	1.2
MID	%	6.9	6.0	10.5	5.0	11.0	5.0
GRAN	10^9/L	0.9	0.8	4.1	2.0	12.9	3.5
GRAN	%	39.5	10.0	61.0	9.0	75.3	8.0
RBC	10^{12}/L	2.32	0.20	4.40	0.40	5.49	0.40
HGB	g/dL	5.4	0.5	11.4	1.0	15.7	1.2
[HGB]	g/L	54	5	114	10	157	12
HCT	%	17.2	2.5	33.9	4.5	44.6	4.5
[HCT]	L/L	0.172	0.025	0.339	0.045	0.446	0.045
MCV	fL	74.0	6.0	77.1	7.0	81.2	7.0
MCH	pg	23.3	2.5	25.9	2.5	28.6	2.5
MCHC	g/dL	31.4	3.5	33.6	3.5	35.2	3.5
[MCHC]	g/L	314	35	336	35	352	35
RDW	%	16.2	5.0	15.6	5.0	15.1	5.0
PLT	10^9/L	72	25	232	35	563	85
MPV	fL	8.1	1.5	8.0	1.5	7.9	1.5

Instrument [3] ERMA PCE-210		CONTROL[5] L		CONTROL[5] N		CONTROL[5] H	
		LOT 80500422		LOT 80500423		LOT 80500424	
Parameter [4]		$\bar{x}$	+/-	$\bar{x}$	+/-	$\bar{x}$	+/-
WBC	10^9/L	2.0	0.4	7.7	0.7	20.1	2.5
LYM	10^9/L	1.0	0.5	1.9	0.5	2.3	1.5
LYM	%	48.6	8.0	25.1	6.0	11.4	6.0
MID	10^9/L	0.2	0.2	0.4	0.3	1.0	1.0
MID	%	6.0	6.0	5.2	5.0	5.0	5.0
GRAN	10^9/L	0.9	0.8	5.4	1.0	16.9	3.0
GRAN	%	46.9	8.0	69.8	7.0	84.3	8.0
RBC	10^{12}/L	2.35	0.20	4.31	0.25	5.36	0.35
HGB	g/dL	5.5	0.8	11.7	0.9	16.1	1.0
[HGB]	g/L	55	8	117	9	161	10
HCT	%	18.4	2.0	36.5	4.5	47.1	4.5
[HCT]	L/L	0.184	0.020	0.365	0.045	0.471	0.045
MCV	fL	78.4	6.0	84.8	7.0	87.9	7.0
MCH	pg	23.4	2.5	27.1	3.0	30.0	3.0
MCHC	g/dL	29.9	3.5	32.0	3.5	34.2	3.5
[MCHC]	g/L	299	35	320	35	342	35
RDW	%	21.8	5.0	21.2	5.0	20.2	5.0
PLT	10^9/L	65	25	229	45	546	85
MPV	fL	NA	NA	9.8	1.5	9.6	1.5
PDW	%	13.5	3.0	12.0	1.7	12.7	1.7

Instrument [3] ABX Micros 60 / Siemens Advia 60		CONTROL[5] L		CONTROL[5] N		CONTROL[5] H	
		LOT 80500422		LOT 80500423		LOT 80500424	
Parameter [4]		$\bar{x}$	+/-	$\bar{x}$	+/-	$\bar{x}$	+/-
WBC	10^9/L	2.2	0.4	8.3	0.6	21.6	2.5
LYM	10^9/L	1.3	0.5	2.7	0.5	3.7	1.5
LYM	%	59.7	8.0	32.7	6.0	17.3	6.0
MID	10^9/L	0.2	0.2	0.9	0.3	2.3	1.0
MID	%	5.5	4.5	10.6	5.0	10.7	5.0
GRAN	10^9/L	0.8	0.8	4.7	1.0	15.6	3.0
GRAN	%	34.8	8.0	56.7	7.0	72.0	8.0
RBC	10^{12}/L	2.22	0.15	4.30	0.20	5.38	0.25
HGB	g/dL	5.7	0.5	11.7	0.6	15.6	0.7
[HGB]	g/L	57	5	117	6	156	7
HCT	%	16.4	2.0	34.0	3.0	45.2	4.0
[HCT]	L/L	0.164	0.020	0.340	0.030	0.452	0.040
MCV	fL	74	6	79	6	84	6
MCH	pg	25.7	2.0	27.2	2.0	29.0	2.0
MCHC	g/dL	34.7	3.0	34.4	3.0	34.5	3.0
[MCHC]	g/L	347	30	344	30	345	30
RDW	%	15.8	5.0	15.0	5.0	14.4	5.0
PLT	10^9/L	75	15	231	30	539	60
MPV	fL	9.6	1.5	9.1	1.5	8.8	1.5

Instrument [3] Diatron® Abacus, Abacus Jr.		CONTROL[5] L		CONTROL[5] N		CONTROL[5] H	
		LOT 80500422		LOT 80500423		LOT 80500424	
Parameter [4]		$\bar{x}$	+/-	$\bar{x}$	+/-	$\bar{x}$	+/-
WBC	10^9/L	2.3	0.4	8.3	0.6	20.1	2.5
LYM	10^9/L	1.3	0.5	2.5	0.5	2.9	1.5
LYM	%	56.1	8.0	29.7	6.0	14.6	6.0
MID	10^9/L	0.2	0.2	1.0	0.3	2.4	1.0
MID	%	6.2	6.0	11.6	5.0	11.7	5.0
GRAN	10^9/L	0.9	0.8	4.9	1.0	14.8	3.0
GRAN	%	37.8	8.0	58.8	7.0	73.8	8.0
RBC	10^{12}/L	2.27	0.15	4.26	0.20	5.25	0.25
HGB	g/dL	5.7	0.5	11.7	0.6	15.8	0.7
[HGB]	g/L	57	5	117	6	158	7
HCT	%	17.2	2.0	34.0	3.0	44.3	4.0
[HCT]	L/L	0.172	0.020	0.340	0.030	0.443	0.040
MCV	fL	75.8	6.0	79.8	6.0	84.3	6.0
MCH	pg	25.1	2.0	27.5	2.0	30.1	2.0
MCHC	g/dL	33.1	3.0	34.4	3.0	35.7	3.0
[MCHC]	g/L	331	30	344	30	357	30
RDW	%	19.0	5.0	18.4	5.0	17.2	5.0
PLT	10^9/L	72	15	238	30	596	60
PCT	%	0.07	0.03	0.23	0.06	0.57	0.20
MPV	fL	9.4	1.5	9.5	1.5	9.5	1.5
PDW	%	34.1	5.5	34.8	3.7	35.0	2.7

Instrument [3] Nihon Kohden Celltac α MEK-6400 Series / MEK-6500		CONTROL[5] L		CONTROL[5] N		CONTROL[5] H	
		LOT 80500422		LOT 80500423		LOT 80500424	
Parameter [4]		$\bar{x}$	+/-	$\bar{x}$	+/-	$\bar{x}$	+/-
WBC	10^9/L	2.1	0.4	8.0	0.6	20.8	2.5
LYM	10^9/L	1.4	0.5	2.7	0.5	3.9	1.5
LYM	%	66.3	11.0	33.3	6.0	18.8	6.0
MID	10^9/L	0.2	0.2	0.5	0.3	1.6	1.0
MID	%	6.0	6.0	6.2	5.0	7.8	5.0
GRAN	10^9/L	0.8	0.8	4.8	1.0	15.3	3.0
GRAN	%	31.6	11.0	60.6	7.0	73.6	8.0
RBC	10^{12}/L	2.29	0.15	4.36	0.20	5.45	0.25
HGB	g/dL	5.7	0.5	11.6	0.6	15.8	0.7
[HGB]	g/L	57	5	116	6	158	7
HCT	%	17.2	2.0	34.4	3.0	45.2	4.0
[HCT]	L/L	0.172	0.020	0.344	0.030	0.452	0.040
MCV	fL	75	6	79	6	83	6
MCH	pg	24.9	2.0	26.6	2.0	29.0	2.0
MCHC	g/dL	33.1	3.0	33.7	3.0	35.0	3.0
[MCHC]	g/L	331	30	337	30	350	30
RDW	%	18.5	5.0	17.7	5.0	16.6	5.0
PLT	10^9/L	84	15	264	30	645	60
PCT	%	0.06	0.03	0.18	0.06	0.44	0.20
MPV	fL	6.9	1.5	6.8	1.5	6.8	1.5
PDW	%	14.7	5.5	13.4	3.7	13.5	2.7

Instrument [3] HTI MicroCC-20 Plus		CONTROL[5] L		CONTROL[5] N		CONTROL[5] H	
		LOT 80500422		LOT 80500423		LOT 80500424	
Parameter [4]		$\bar{x}$	+/-	$\bar{x}$	+/-	$\bar{x}$	+/-
WBC	10^9/L	2.0	0.4	6.9	0.6	17.2	2.5
LYM	10^9/L	1.1	0.5	2.1	0.5	2.7	1.5
LYM	%	56.4	8.0	31.1	6.0	15.9	6.0
MID	10^9/L	0.2	0.2	0.9	0.3	2.4	1.0
MID	%	7.9	4.5	13.0	5.0	14.0	5.0
GRAN	10^9/L	0.8	0.8	3.9	1.0	12.1	3.0
GRAN	%	35.7	8.0	55.9	7.0	70.1	8.0
RBC	10^{12}/L	2.20	0.15	4.26	0.20	5.31	0.25
HGB	g/dL	5.6	0.5	11.6	0.6	15.6	0.7
[HGB]	g/L	56	5	116	6	156	7
HCT	%	18.2	2.0	36.6	3.0	47.6	4.0
[HCT]	L/L	0.182	0.020	0.366	0.030	0.476	0.040
MCV	fL	82.8	6.0	86.0	6.0	89.7	6.0
MCH	pg	25.5	2.0	27.2	2.0	29.4	2.0
MCHC	g/dL	30.8	3.0	31.7	3.0	32.8	3.0
[MCHC]	g/L	308	30	317	30	328	30
RDW	%	14.2	5.0	13.9	5.0	13.4	5.0
PLT	10^9/L	85	25	232	30	538	60
MPV	fL	8.4	1.5	8.3	1.5	8.2	1.5

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 parametrer / Wielo-parametrowa 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 / Unitès SI / SI- Einheiten / Unitá SI / SI-måleenheter / Jednostki SI / Unidades SI / SI-enheter

*** CELL-DYN 1400 instruments disregard MID values.**
Přístroje CELL-DYN ignorují hodnoty MID. / Les instruments CELL-DYN 1400 ignorent les valeurs MID. / CELL-DYN 1400 Geräte ignorieren MID-Werte. / Gli strumenti CELL-DYN 1400 ignorano i valori INTERMEDI. / CELL-DYN 1400-instrumenter ignorerer MID-verdier. / Analizatory CELL-DYN 1400 nie liczą leukocytów MID (o objętości pomiędzy neutrofilami a limfocytami). / Los instrumentos CELL-DYN 1400 no toman en cuenta los valores de la población de células de tamaño mediano. / CELL-DYN 1400-instrument bortser från MID-värden.

**** CD-1800 MPV values may report intermittently with Para 12 Extend.**
Hodnoty CD-1800 MPV se při použití Para 12 Extend mohou hlásit přerušovaně. / Lorsque le Para 12 Extend est utilisé sur le CD-1800, il se peut que les valeurs du volume plaquettaire moyen (VPM) soient rapportées d'une façon sporadique. / Bei Verwendung von Para 12 Extend werden die durchschnittlichen Thrombozytenwerte von CD-1800 unter Umständen unregelmäßig angegeben. / I valori del volume piastrinico medio possono essere refertati dal CD-1800 in modo intermittente quando si utilizza Para 12 Extend. / Bruk av Para 12 Extend kan medføre intermitterende CD-1800-rapportering av gjennomsnittlige blodplateverdier. / Para 12 Extend umożliwia okresowe podawanie wartości przez CELL-DYN 1800. / Con Para 12 Extend, la notificación de los volúmenes plaquetarios medios por parte del CD-1800 podría ser intermitente. / När Para 12 Extend används kan genomsnittliga trombocytvolymer som rapporteras av CELL-DYN 1800 rapporteras emellanåt.

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 analyseområdene.

Przy użyciu Para 12 Extend mogą pojawić się alarmy lub sygnal/y 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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