

Pippin Prep™ Cassette Kit Reference Chart

Software v.6.20 Cassette Definition Set 9



use **0.80** for optical calibration setting

Product Number Ethidium Bromide*	Size Range [#]	Collection Times	Minimum size Distribution as Expressed by (CV)	Electrophoresis Voltage	Gel Cassette Type	Marker Type	Marker
CSD3010	90 – 250 bp	50 – 100 min	8%	100 V, constant	3% agarose	External	C
CSD2010	100 – 600 bp	50 – 100 min	8%	100 V, constant	2% agarose	External	B
CSD1510	250 – 1500 bp	48 – 140 min	8%	100 V, constant	1.5% agarose	External	A
CSD7510	2 – 8 kb	60 – 100 min	20%	100 V, constant	0.75% agarose	External	D

* Ethidium bromide is an intercalating dye, allowing optical detection of DNA. [#]Size range specifications are based on “Tight” mode collections, next page.

use **0.80** for optical calibration setting

Product Number Dye Free**	Size Range [#]	Collection Times	Minimum size Distribution as Expressed by (CV)	Electrophoresis Voltage	Gel Cassette Type	Marker Type	Marker
CDF3010	90 – 250 bp	50 – 100 min	8%	100 V, constant	3% agarose	Internal	F
CDF2010	100 – 600 bp	50 – 100 min	8%	100 V, constant	2% agarose	Internal	L
CEF2010	100 – 600 bp	50 – 100 min	8%	100 V, constant	2% agarose	External	E
CDF1510	250–1500 bp	28 – 75 min	8%	150 V, constant	1.5% agarose	Internal	K

** Sample DNA is not detected. Fluorescently labeled DNA markers are used to determine collection timing. [#]Size range specifications are based on “Tight” mode collections, next page.



978.922.1832 www.sagescience.com

Pippin Prep™ Cassette Kit Reference Chart

Software v.6.20 Cassette Definition Set 9



Cassette Kit Product Number	Cassette Type Software Definitions	DNA Control Kit Product Number
CSD7510	0.75% Marker D Target (tight) cuts only	CON7504
CDF1510	1.5% DF Marker K	CIS1504
CSD1510	1.5% Marker A No Overflow Detection	CON1504
CDF2010	2% DF Marker L	CIS2004
CEF2010	2% EF Marker E v2	CON2004
CSD3010	3% Marker C No Overflow Detection	CON3004
CDF3010	3% DF Marker F	CIS3004

	DNA Target Size Ranges	
	Tight Mode	Range Mode
3% agarose	90 – 250 bp	80 – 270 bp
2% agarose	100 – 600 bp	80 – 650 bp
1.5% agarose	250 – 1500 bp	200– 1700 bp
0.75% agarose	2 – 8 kb	1 – 10 kb



978.922.1832 www.sagescience.com

© 2014 Sage Science, Inc. Pippin Prep and BluePippin are trademarks of Sage Science, Inc.