

Pippin Prep™ Cassette Kit Reference Chart

Software v.6.11 Cassette Definition Set 8

use **0.80** for optical calibration setting



Size Range [#]	Product Number Ethidium Bromide*	Collection Times	Minimum size Distribution as Expressed by (CV)	Electrophoresis Voltage	Gel Cassette Type	Marker Type	Marker
90 – 250 bp	12100507	50 – 100 min	8%	100 V, constant	3% agarose	External	C
100 – 600 bp	12100506	50 – 100 min	8%	100 V, constant	2% agarose	External	B
50 – 600 bp	12100509†	40 – 100 min	8%	100 V, constant	2% agarose	External	SSQ
250 – 1500 bp	12100505	48 – 140 min	8%	100 V, constant	1.5% agarose	External	A
2 – 8 kb	12100508	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.

† For use with Epicentre ScriptSeq Complete kits, 25µl elution module volume.

use **0.80** for optical calibration setting

Size Range [#]	Product Number Dye Free**	Collection Times	Minimum size Distribution as Expressed by (CV)	Electrophoresis Voltage	Gel Cassette Type	Marker Type	Marker
90 – 250 bp	12100503	50 – 100 min	8%	100 V, constant	3% agarose	Internal	F
100 – 600 bp	12100502	50 – 100 min	8%	100 V, constant	2% agarose	Internal	L
100 – 600 bp	12100510‡	50 – 100 min	8%	100 V, constant	2% agarose	Internal	G
100 – 600 bp	12100504	50 – 100 min	8%	100 V, constant	2% agarose	External	E
250–1500 bp	12100501	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.

‡ 25µl elution module volume.

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Cassette Kit Product Number	Cassette Type Software Definitions	DNA Control Kit Product Number
12100508	0.75% Marker D Target (tight) cuts only	12100548
12100501	1.5% DF Marker K	12100554
12100505	1.5% Marker A No Overflow Detection	12100547
12100502	2% DF Marker L	
12100510	2% DF Marker G	
12100504	2% EF Marker E v2	12100546
12100507	3% Marker C No Overflow Detection	12100545
12100503	3% DF Marker F	12100549

	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

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