

# Blue Pippin™ Cassette Kit Reference Chart

Software v6.31 / v6.41 Cassette Definition Set 36



## For Size Selection

Product Number	Size Range	Collection Times	Minimum Size Distribution as Expressed by (CV)	Electrophoresis Voltage	Gel Cassette Type	Marker Type	Marker
BDQ3010	100-250 bp	50-100 min	5%	100V DC	3% agarose	<b>Internal</b>	Q3
BDF2010	100-600 bp	50-100 min	8%	100V DC	2% agarose	<b>Internal</b>	V2
BEF2010	100-600 bp	50-100 min	8%	100V DC	2% agarose	External	M1
BDF1510	250 bp-1.5 kb	30-75 min	8%	150V DC	1.5% agarose	<b>Internal</b>	R2
BLF7510	1-6 kb	3-8 hr	10%	25V DC	0.75% agarose	External	S1
BLF7510	2-6 kb	1.4-2.4 hr	20%	Pulsed	0.75% agarose	External	S1
BLF7510	3-10 kb	2.3-3.1 hr	20%	Pulsed	0.75% agarose	External	S1
BUF7510	10-18 kb	2.9-3.7 hr	20%	Pulsed	0.75% agarose	External	U1
BMF7510	18-27 kb	3.8-4.3 hr	20%	Pulsed	0.75% agarose	External	T1
BHZ7510	50 kb target only	9-10 hr	20%	Pulsed	0.75% HR agarose	External	Z1

## DNA Control Kits

Cassette Kit Product Number	DNA Control Kit Product Number
BDQ3010	CIS3004
BDF2010	CIS2004
BEF2010	CON2004
BDF1510	CIS1504
BLF7510	CON7504
BUF7510	CON7604
BMF7510	CON7604



### High Pass Plus™ Cassettes

Product Number	Threshold Range	Collection Times	Accuracy of Collection Start Value	Electrophoresis Voltage	Gel Cassette Type	Marker Type	Marker
BPLUS10	>15kb	2.5 hr	10%	100V pulsed-field	0.75% agarose	External	U1
BPLUS10	>20kb	3.0 hr	10%	100V pulsed-field	0.75% agarose	External	U1

### For High-Pass Filtering (standard size selection cassettes)

Product Number	Threshold Range	Collection Times	Accuracy of Collection Start Value	Electrophoresis Voltage	Gel Cassette Type	Marker Type	Marker
BDF1510*	>250 bp-1.5 kb	2 hr	10%	100V DC	1.5% agarose	<b>Internal</b>	R2
BLF7510	>4-10kb	2 hr	10%	100V DC	0.75% agarose	External	S1
BLF7510	>15-20kb	5 hr	10%	100V pulsed-field	0.75% agarose	External	S1
BUF7510	>30-40kb	9 hr	10%	100V pulsed-field	0.75% agarose	External	U1
PAC20KB**	>4-20kb	2 hr	10%	100V DC	0.75% agarose	External	S1
PAC20KB**	>15-20kb	5 hr	10%	100V pulsed-field	0.75% agarose	External	S1
PAC30KB	>30-40kb	9 hr	10%	100V pulsed-field	0.75% agarose	External	U1

\*Collects a maximum fragment size of 5-8 kb, depending on threshold setting

\*\*PAC20KB and PAC30KB include a user guide specifically for PacBio customers. Other than the guide, the kits are the same as BLF7510 and BUF7510

### For Range + T

Product Number	Threshold Range	Collection Times	Start Value Accuracy	Electrophoresis Voltage	Gel Cassette Type	Marker
BRT7510	9 -30kb	2.5-5.5 hr	15%	75V pulsed-field	0.75% agarose	E2

### DNA Control Kits

Cassette Kit Product Number	DNA Control Kit Product Number
BPLUS10, BLF7510, PAC20KB	CHP7504 (For High-Pass Protocols)



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