

** These data are not intended to imply guaranteed results or performance. This product is intended to demonstrate that the Pippin Prep is functioning as expected, and that proper operational technique is being used. Users should refer to the Operations Manual for performance specifications.*

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Control DNA

Item# CON2004

For use with:

Pippin Prep™
 CEF2010 Gel Cassettes

and

Blue Pippin™
 BEF2010 Gel Cassettes

for collections between 100 bp - 600 bp



#460073 Rev A

What is Enclosed

Pippin Prep cassettes and instruments are functionally tested using restriction digests of genomic DNA from E. coli. For each cassette type, a different restriction digest is produced such that the fragment sizes distribution matches the specified size section range of for that agarose gel formulation. Following restriction digestion, the control DNA is purified and diluted into Pippin Prep electrophoresis buffer (Tris-TAPS). The control DNA is premixed with Pippin Prep loading solution and is provided ready for loading - no additional loading solution should be added. The DNA concentration is 5 micrograms per 40 microliters. 40 microliters of control DNA should be loaded into the reference lane. Each tube contains sufficient volume of 16 sample loads.

To Use

1. Carefully follow the sample loading instructions outlined in the Operations Manual.
2. Pipet 40µl of control DNA into each well that has been designated for size selection.

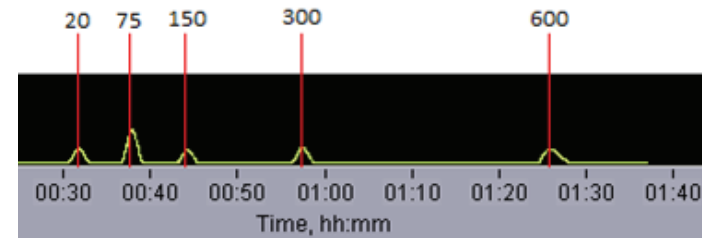
QC protocol for 2% agarose cassettes

Cassettes are tested using "Tight" mode with the following target values. The eluted size selected fractions are run on an Agilent Bioanalyzer using a DNA 1000 chip. The analysis volume is 1µl from the 40µl elution volume (1:40 dilution).

	Tight	Range	Time	Peak	Ref	Off	BP Target	BP Start	BP End	BP Pause
5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	500	460	540	0
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	400	368	432	0
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	275	253	297	0
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	150	138	162	0
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0	0	0	0

Typical Results

The external marker (Marker E or M1) should be detected in the reference lane at the following approximate times.



The following bioanalyzer results show typical results from QC testing.

