vivantis

Comparison of Taq DNA Polymerase from Vivantis and Supplier B

Amplification of MCS region with inserts 1.4kb from pTZ using M13 primer in a 50µl reaction.
5µl of PCR product is loaded per lane and electrophoresed in 1.0% TBE agarose gel.
2 different brands of Taq DNA Polymerase are tested in 2 units, 1 unit, 0.5 units and 0.25 units in a 50µl PCR reaction.

Experimental Date: 25th July 2016

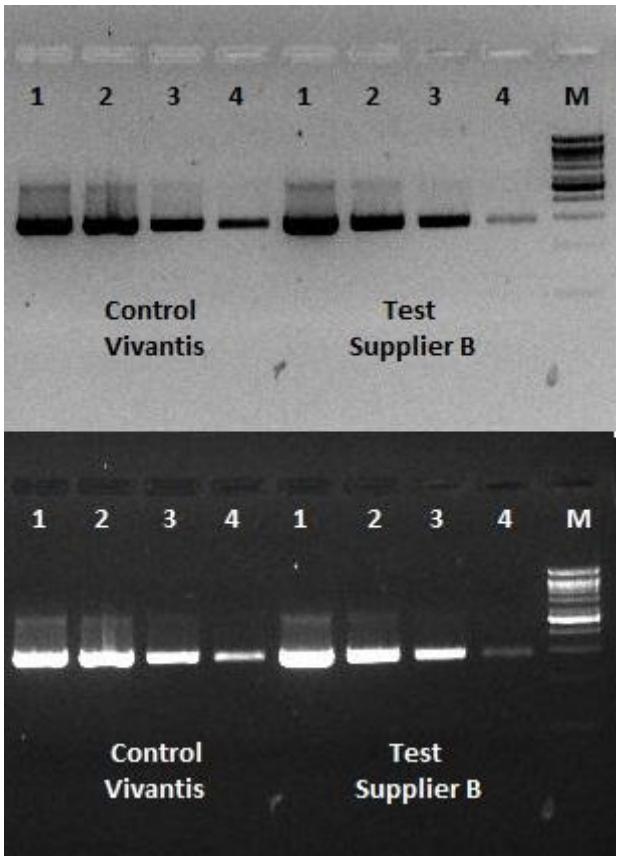

Figure 1: Amplification of pTZ template using M13 primer using different concentration of Taq polymerase. 5µl of PCR product is loaded per lane. Expected PCR product size amplified is 1.4kb.

Legend:
1: Amplification using 0.3ng/µl of pTZ DNA template, 0.2µM of primers and 2U of Taq
2: Amplification using 0.3ng/µl of pTZ DNA template, 0.2µM of primers and 1U of Taq
3. Amplification using 0.3ng/µl of pTZ DNA template, 0.2µM of primers and 0.5U of Taq
4. Amplification using 0.3ng/µl of pTZ DNA template, 0.2µM of primers and 0.25U of Taq
M: VC 1kb DNA ladder

Vivantis Technologies Sdn Bhd 587389-D
Revongen Corporation Center
No12A, Jalan TP5, Taman Perindustrian UEP,
47600 Subang Jaya, Selangor Darul Ehsan, Malaysia.
E : info@vivantechnologies.com
W: www.vivantechnologies.com
T: +6 03 8025 1603
F: +6 03 8025 1637/1354

Conclusion:

Both Taq DNA Polymerase are performed up to standard; the performance of Vivantis's Taq DNA Polymerase is equivalent to the performance of Supplier B's Taq DNA Polymerase.

Prepared by,
Vivantis Technical Team
25th July 2016

Vivantis Technologies Sdn Bhd 587389-D
Revongen Corporation Center
No12A, Jalan TP5, Taman Perindustrian UEP,
47600 Subang Jaya, Selangor Darul Ehsan, Malaysia.
E : info@vivantechnologies.com
W: www.vivantechnologies.com
T: +6 03 8025 1603
F: +6 03 8025 1637/1354