PUREfrex™ Protocol

The amounts given are for a 50 µL reaction. For scaling up the reaction, adjust the volume of reagents accordingly.
1. Thaw Solution I by incubation at 30℃ for 1 minute, and then cool on ice.
2. Thaw Solution II and III on ice.
3. Mix Solution I, II and III respectively by vortex and centrifuge briefly to collect each solution at the bottom.
4. Assemble the reaction mixture in a tube as follows. Add the template DNA to 0.5 - 3 ng/µL per 1 kbp.

Water	7-X µL
Solution I	10 µL
Solution II	1 µL
Solution III	2 µL
Template DNA	X µL
Total	20 µL

5. Incubate the tube at 37℃ for 2 - 4 hours.
6. Analyze the synthesized products.

References
1. Shimizu et al. (2001) Nat. Biotecnol., vol. 19, p. 751
2. Shimizu et al. (2005) Methods, vol. 36, p. 299