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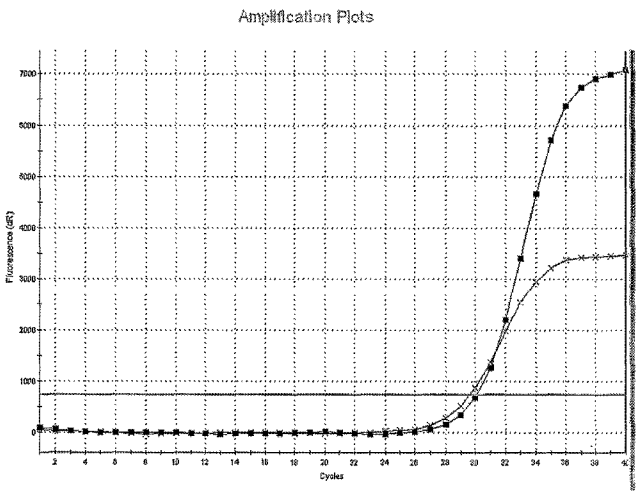
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Declaration under Rule 4.17:
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[Continued on next page]

(54) **Title:** METHOD FOR MOLECULAR BIOLOGY APPLICATIONS



(57) **Abstract:** The invention provides a method of nucleic acid synthesis and/or amplification, and/or of improving the efficiency, activity and/or stability of at least one nucleic acid-modifying enzyme, comprising carrying out the method in the presence of (a) at least one organic-based macromolecule having a molecular weight of 50kDa to 500kDa and neutral surface charge; or (b) at least one organic-based macromolecule of radius 2 to 50nm and neutral surface charge. There is also provided a method of determining the optimum crowding conditions of macromolecule(s) in solution.

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