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(54) **Title:** PCR REACTION MIXTURES WITH DECREASED NON-SPECIFIC ACTIVITY

(57) **Abstract:** The present invention provides methods for improving the specificity of nucleic acid amplification comprising incubating a nucleic acid molecule with a polymerase-Sso7 DNA binding domain conjugate and arginine, spermidine, or spermine. The present invention also provides reaction mixtures and kits for improving the specificity of nucleic acid amplification.



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