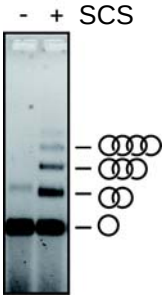
COSMO BIO CO., LTD.
Inspiration for Life Science

Catalog No. WAS-R1-E01

Composition for catenating single-stranded DNA

Product Description	ssDNA catenating solution (SCS)
Specific Activity	Specific Activity: Circular single-stranded DNA (20 µM) is incubated with >2 µl of SCS in 10 µl of a reaction buffer containing 1~2 mM $MgCl_2$ at 37 °C for 1 hour.
Initial Volume	50 µl
Formulation	20 mM HEPES-NaOH (pH7.5), 0.1 M NaCl, 2 mM DTT, 30% glycerol
Storage & Stability	Store below -70 °C. Stable for 1 year at -70 °C from date of shipment. Aliquot to avoid cycles of freeze/thaw. Recommended to divide into small amounts before first time using.
Reference	Motoki Takaku et. Al. Single-stranded DNA catenation mediated by human EVL and a type I topoisomerase. Nucleic Acids Research 2010 (in press)

Agarose gel electrophoresis of catemers
(SYBR® Gold (invitrogen) staining)
Reaction condition : 20 mM HEPES (pH 7.5),
20 mM NaCl, 1.5 mM DTT,
4% glycerol, 1 mM $MgCl_2$



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