Multiple Displacement Amplification Kit (MDA-WGA)

Rolling circle amplification (RCA) is an isothermal amplification method to continuously amplify circular DNA by generating long, repetitive copies of the circular sequence. The kit features phi29 DNA polymerase-v2, an engineered polymerase with improved thermostability and sensitivity, and generates higher yield in a shorter reaction time than wild-type phi29 DNA Polymerase. Also included are dNTPs and exonuclease-resistant random primers (containing phosphorothioate bonds) to universally amplify circular DNA sequences. Also specific RCA can be performed by adding custom primers.

This kit includes all required components for fast, sensitive, and efficient isothermal DNA amplification, which includes rolling circle amplification (RCA) and multiple displacement amplification – whole genome amplification (MDA-WGA).

Catalog No.	518602
Size	50 rxns
Product Category	Isothermal Amplification
Storage/Stability	-20°C/1 year
Shipping	Gel Packs