

OneStep WGA Kit

Whole Genome Amplification



BIORON now offers a new type of Whole Genome Amplification with unique SD Polymerase:

Advantages of BIORON's WGA Kit

- One step protocol & one tube reaction
- Long fragments (200 bp - >3000 bp)
- Ready for PCR and NGS
- Suitable for single-cell DNA analysis
- New technique which combines Multiple Strand Displacement and PCR

Single Step Protocol!

**Whole Genome Amplification
made in Germany by**

 **BIORON**
life science



Whole Genome Amplification

Whole Genome Amplification (WGA) is a safe and cost-effective alternative for amplification of genomic DNA. Our novel Whole Genome Amplification Kit combines the PCR and Multiple Displacement Amplification (MDA) by using BIORON's thermostable SD Polymerase with Strand Displacement activity. The unique combination of primers and SD Polymerase guarantees best amplification performance.

One Tube genome amplification

- Take genomic DNA, transfer into cup with WGA-Kit components, amplify. Ready!

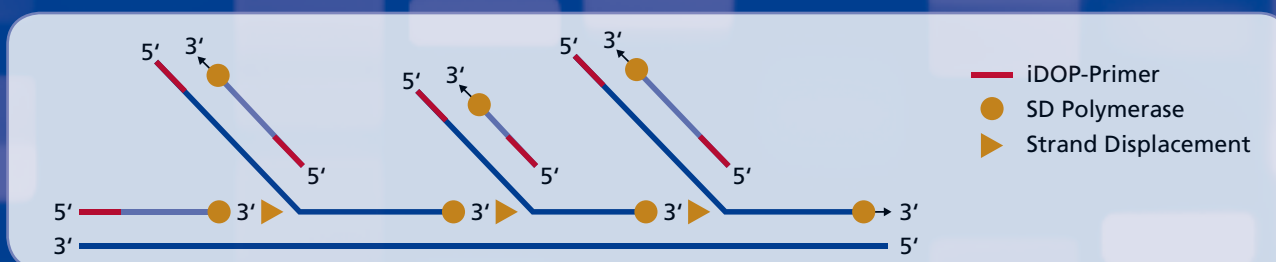
Applications

- Single cell DNA analysis
- Next Generation Sequencing (NGS)
- SNP genotyping
- qPCR- and PCR-based mutation detection
- STR and RFLP analysis
- Array technologies (comparative genomic hybridization)

SD Polymerase is the main component

- Thermostable enzyme provides PCR and MDA simultaneously
- Highest amplification rates
- Especially for with GC-rich or highly repetitive regions

WGA by SD Polymerase with Multiple Strand Displacement



BIORON's Product line for SD Polymerase and WGA Kit

Product	Content	Pack size	Ref .No
WGA Kit	SD Polymerase, 2.5x buffer with primer and dNTPs, control DNA, water	25 rcs	108725
		50 rcs	108750
SD Polymerase	SD Polymerase, 10 U/μl	200 U	108702
		1000 U	108710
	SD Polymerase, 50 U/μl	1000 U	108800
		5000 U	108850
	SD Polymerase Hot Start, 10 U/μl	200 U	108902
		1000 U	108910