

	PCR	E. coli cloning	OriCiro Technology
DNA size	< 10 kb	< 50 kb	< 50 kb
Operation	Thermal cycling instruments	Transformation, Culturing and Purification	Very simple process Several hours of isothermal incubation
Biosafety	Cell-free	Recombinant DNA experiment	Cell-free
Fidelity	⁺ (10 ⁻⁴ ~10 ⁻⁶ error/base/cycle)	⁺⁺⁺ (10 ⁻¹⁰ error/base/generation)	⁺⁺ (10 ⁻⁸ error/base/cycle) ※1
Sequence applicability	Not applicable to GC rich and repeat sequences	Not applicable to sequences that cause cell toxicity	Applicable to any sequence
Product	Linear DNA	Circular DNA	Circular DNA

※1 Technology under development to match *E. coli* cloning.