

## DNA Cartridge Kits and Reagents for the *Qsep<sub>100</sub>* DNA Fragment Analyzer

### Cartridge Kits

Specifications	S2 – Standard Cartridge	S1 – High Resolution Cartridge	F3 – Fast Cartridge
Order No.	C105201 (2 pcs kit)	C105202 (2 pcs kit)	C105203 (2 pcs kit)
(Cat. No.)	C105801 (8 pcs kit)	C105802 (8 pcs kit)	C105803 (8 pcs kit)
Sizing range	15-15000bp	15-15000bp	15-5000bp
Sizing resolution	15-500 bp 4-10bp 500-1000 bp 10% 1000-15k bp 15%	15-500bp 1-4bp 500-1000bp 5% 1000-15kbp 10%	15-100 bp 10-50bp 1000-5000 bp 15%
Sizing accuracy	7% CV	5% CV	10% CV
Sizing reproducibility	3% CV	2% CV	5% CV
Quantitative range	0.1-100 ng/uL* Recommended: 1ng/uL-10ng/uL	0.1-100 ng/uL* Recommended: 1ng/uL-10ng/uL	0.1-50 ng/uL* Recommended: 1ng/uL-10ng/uL
Analysis time (for each sample)	2 - 3 min	3 - 5 min	1 - 2 min
Sample number (for each cartridge)	200 runs	200 runs	300 runs
Sample consumption (per run)	<0.1 uL	<0.1 uL	<0.1 uL
Minimum Sample volume	20uL 1uL, when using micro vial (C104250)	20uL 1uL, when using micro vial (C104250)	20uL 1uL, when using micro vial (C104250)
Kit Stability	6 months	6 months	4 months

- Minimum Quantitative range: 2pg/uL (If diluted in the DD water)
- Based on pBR322 *MspI* Digest (**15-622 DNA Size Marker: C109200**) as sample

### Reagents & Accessories

Order No. (Cat. No.)	Product Name	Specifications
C109100-500A	20&1k ALIGNMENT MARKER	20bp&1000bp/ 500 uL
C109102-500A	20&5k ALIGNMENT MARKER	20bp&5000bp/ 500 uL
C109200	15-622 DNA Size Marker	pBR322- <i>MspI</i> / 500 uL
C109300	50bp-3K DNA Size Marker	500uL/ Tube
C109300-HC	50bp DNA Size Marker	250uL/ Tube (High Concentration)
C104250	8-STRIPS Micro Vial (1uL-10uL)	10 Units/ Bag
C104201	Separation Buffer Tray	10 Pcs/ Set

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