

Agilent Femto Pulse Consumables

Analysis kits and capillary array



The Femto Pulse system uses a pulsed field power supply along with quantitative and qualitative kits to automate the separation of genomic DNA as large as 165,000 bp, DNA smears, DNA fragments and RNA.

The reagent kit portfolio covers a broad range of sample types such as HMW genomic DNA, long-read NGS libraries, cfDNA, single cell genomic DNA, total RNA, FFPE nucleic acid isolates, and bacterial artificial chromosomes (BAC) clones.

Quantitative Kits

With markers and calibrated ladders, these kits enable the accurate sizing and quantification of DNA and RNA samples.

DNA Kits

Kit name	Sizing range	Input concentration range	Part number	Kit sizes
gDNA 165 kb Analysis kit	1,300 bp - 165 kb	Fragments: 0.3 - 30 pg/μL Smears: 5 - 500 pg/μL	FP-1002-0275	275 samples
Ultra Sensitivity NGS kit	100 - 6,000 bp	Fragments: 0.1 - 5 pg/μL Smears: 25 - 250 pg/μL	FP-1101-0275	275 samples

RNA Kit

Kit name	Sizing range	Input concentration range	Part number	Kit sizes
Ultra Sensitivity RNA kit	200 - 6,000 nt	Total RNA: 15 - 250 pg/μL mRNA: 25 - 500 pg/μL	FP-1201-0275	275 samples

Qualitative Kits

With markers and ladders, these kits enable the accurate sizing of large DNA fragments.

Kit name	Sizing range	Input concentration range	Part number	Kit sizes
55 kb BAC kit	75 bp - 48,500 kb	Fragment up to 48 kb: 3 - 25 pg/μL Fragment <2 kb: 1 - 12.5 pg/μL	FP-1003-0275	275 samples
165 kb BAC kit	75 bp - 165 kb	Fragment <48 kb: 1.6 - 25 pg/μL Fragment >48 kb: 3 - 50 pg/μL Multiple frags: 12.5 - 100 pg/μL	FP-1004-0275	275 samples

Capillary Array

The Femto Pulse system has one capillary array designed for superior separation resolution of challenging samples.

Array name	Part number
Femto Pulse 12-Capillary Array	A1600-1250-2240

Order online: www.agilent.com/chem/store

Learn more: www.agilent.com/genomics/femto-pulse

For Research Use Only. Not for use in diagnostic procedures.
PR7000-7500

This information is subject to change without notice.

© Agilent Technologies, Inc. 2020-2021
Published in the USA, August 1, 2021
5994-2452EN