



firefly[®]

innovative, compact
all-in-one liquid handling

accelerate your genomic research by streamlining your NGS workflows

- **All-in-one**
firefly integrates the power of multiple instruments by combining technologies for pipetting, dispensing, incubating and shaking.
- **Compact footprint**
firefly's compact, benchtop design makes intelligent use of vertical space, allowing you to perform more whilst saving precious laboratory footprint.
- **Peer-to-peer**
firefly strengthens collaboration and accelerates innovation through its first-in-class cloud-based network, enabling instant sharing of custom protocols and swift access to validated tools.
- **Powerful, intuitive software**
Setting a new standard in liquid handling software, firefly's visual interface simplifies protocol development and execution, putting you in control of your workflows without the need for complex programming.



introducing firefly[®]+

maximize walkaway time with end-to-end hands-free NGS library prep

Expand firefly's capabilities with an on-deck thermocycler and additional labware capacity, all while maintaining its signature compact design and user-friendly operation.



technical specifications

technical specifications	Instrument variants	firefly 3 and firefly 6	Pipetting module	384 pipetting core capable of loading 384, 96 or columns of 8 (96 format) or 16 (384 format)
	Pipetting range and performance	0.5 - 125 μ L (100 μ L with filter tips) <5% CV and +/- 5% error at 1 μ L and above* *using aqueous reagents and specific microplates	Particle sizes	Less than 0.032" diameter to prevent tip blockage
	384 tip format	Options of 50 μ L and 125 μ L (35 μ L and 100 μ L filtered) Strips of 16 tips available with the same volume options	96 tip format	Options of 50 μ L and 125 μ L (35 μ L and 100 μ L filtered) Strips of 8 tips available with the same volume options
	Gripper module	Compatible with most SBS/ ANSI labware	Dispense module	Positive displacement non-contact dispensing 3 or 6 syringes
	Dispense volume range	200 nL to 4 mL	Bulk dispense speed	30 seconds per 96-well plate
	Dead volume	75 - 400 μ L recoverable dead volume depending on reservoir type	Reservoir options	Standard (10 mL) High volume (40 mL) Low dead volume (1.5 mL)
	Primary SBS/ ANSI plate formats	96 and 384 well labware (including deep well blocks and 96 format tubes up to 45 mm in height)	Optional accessories	Microplate cooler/heater block Microplate shaker Dispense module reagent cooler/heater HEPA filter
	Dimensions (W x D x H)	660 mm x 560 mm x 780 mm	Weight	100 kg (220 lbs)



discover how your lab can benefit from firefly

if you have any more questions, get in touch
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