



# firefly<sup>®</sup>

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.



**new**

## introducing firefly<sup>®</sup> +

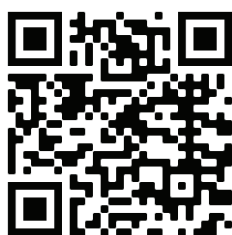
### maximize walkaway time with end-to-end hands-free NGS library prep

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