

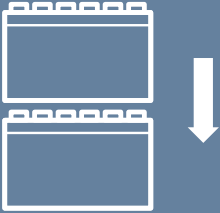


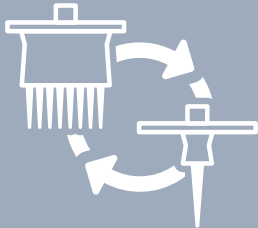


Streamlined



Developed With Users For Users: The new epBlue™ Software

Small Upgrade, Huge Improvement. Get The Most Out Of Your NGS Library Preparation with the epMotion®.

The epMotion and Illumina® NGS library preparation kits have always been a great combination. This combination got even better with the release of the new epBlue software and the related accessories. The following features make your epMotion both, more efficient and more flexible when it comes to NGS library preparation.

			
<p>More Tips On The Deck Tip box stacking allows to place more tips on the deck without any hardware adjustments. This increases the walk-away time and/or allows a higher maximum sample number</p>	<p>Extended Waste Capacity A larger liquid waste reservoir and the new solid waste concept increase the waste capacity, allowing to process more samples and increasing the walk-away time</p>	<p>Improved Bead Washing The new empty vessel command is specifically designed to improve bead washing steps and allows to save tips and time</p>	<p>Increased Sample Flexibility Automatic tool selection decides in real time whether a single or a multi-channel tool will be used. Compared to only using the multi-channel tool this will save tips and reagents</p>

In this guide we are taking a closer look how useful these features are for NGS methods: With Illumina's Nextera® DNA Flex and TruSeq® Stranded mRNA Library Prep kits, we showcase how to save both, time and money.

	<p>Higher Efficiency The new epBlue™ software increases efficiency and productivity by increasing the maximum sample number, reducing the number of user interventions and decreasing the total runtime</p>
	<p>Cut The Costs The new epBlue software allows to save tips and reagents, which ultimately cuts down the cost per processed sample</p>



»The new software and its enhanced features represent serious improvements to the epMotion[®] and are not only gimmicks.«



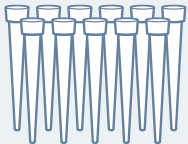



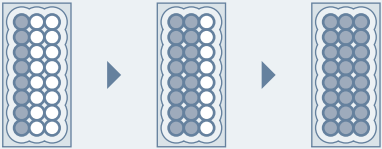
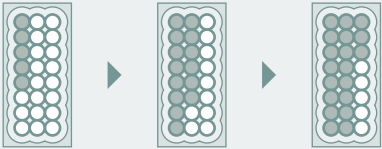



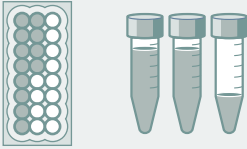
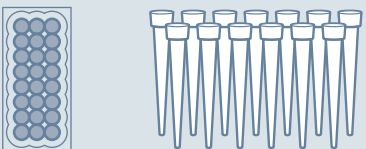
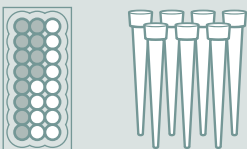
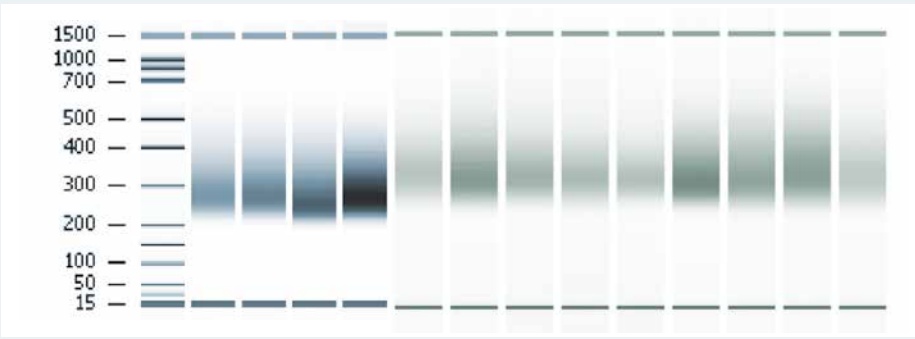
»We anticipate that they will be very helpful for the routine lab work. With the new software we can design more streamlined workflows that have less user interventions and are more optimized towards tip consumption. Ultimately less interventions mean less error sources and saving more time [...].«

Dr. Christine Haag, Molecular Pathologist, Heidelberg, Germany

Example 1: Illumina Nextera DNA Flex

	OLD	VS.	NEW
An Optimized Workflow For 96 Samples		Reduction of submethods <i>4 instead of 5</i>	
		Reduced number of user interventions <i>5 instead of 7</i>	
		More efficient tip usage <i>up to 14% tips saved</i>	
		Reduced runtime <i>up to 9%</i>	
A New Level of Sample Flexibility		Full sample flexibility <i>1 to 96 instead of 8, 16, 24, ...</i>	
		Reduced runtime* <i>47% for 19 samples</i> <small>*1 compared to use of single-channel tool only</small>	
		Reduced reagent volume needed* <i>up to 20% for 19 samples</i> <small>*2 compared to use of eight-channel tool only</small>	
		More efficient tip usage* <i>up to 21% for 19 samples</i> <small>*2 compared to use of eight-channel tool only</small>	
Same Great Results	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Old Software</p> </div> <div style="text-align: center;"> <p>New Software</p> </div> </div>		
	<p>BioAnalyzer® traces of 32 NGS libraries generated with a previous epBlue version (left) are comparable to 32 NGS libraries generated with the 40.6 version of the method (right).</p>		

Example 2: Illumina TruSeq Stranded mRNA

	OLD	VS.	NEW
An Optimized Workflow For 48 Samples		Increased maximum sample number 48 instead of 24	 +100%
		More efficient tip usage up to 25% tips saved	 -25%
		Reduced runtime up to 19%	 -19%
A New Level of Sample Flexibility		Full sample flexibility 1 to 96 instead of 8, 16, 24, ...	
		Reduced runtime*1 17% for 12 samples <small>*1 compared to use of single-channel tool only</small>	 -17%
		Reduced reagent volume needed*2 up to 24% for 12 samples <small>*2 compared to use of eight-channel tool only</small>	 -24%
		More efficient tip usage*2 up to 16% for 12 samples <small>*2 compared to use of eight-channel tool only</small>	 -6%
Same Great Results	Old Software	New Software	
			

BioAnalyzer traces of 4 NGS libraries generated with a previous epBlue version (left) are comparable to 12 NGS libraries generated with the 40.6 version of the method (right).

Ordering information

Description	International Order no.	North America Order no.
epMotion® 5075t NGS solution , with MultiCon PC, Enhanced feature set 1, C2 thermo module, dispensing tools (TS 50, TM 50, TS 300, TM 300), waste bag holder plus NGS specific accessories (gripper with holder, thermoblock 96 OC, 2 x thermoadapter 96-well, Rack ILMN tubes, Reservoir Rack, Eppendorf Magnet Adapter FLX, Liquid Waste Tub 400 mL), plus NGS specific consumables (Eppendorf twin.tec® LoBind PCR Plate 96 semi-skirted, epT.I.P.S.® Motion pipette tips with filter PCR clean 50 µL & 300 µL each 960 tips, 30 mL reservoirs 50pcs, 50 waste bags)		
epMotion® 5075t NGS solution , 230 V, 50 Hz, EU plug	5075 000.962	
epMotion® 5075tc NGS solution with CleanCap , 230 V, 50 Hz, EU plug	5075 000.963	
epMotion® 5075t NGS solution , 100–240 V, 50/60 Hz, US plug		5075000965
epMotion® 5075tc NGS solution with CleanCap , 100–240 V, 50/60 Hz, US plug		5075000966
Accessories		
Waste bag holder for epMotion® 5070/5073/5075 waste position	5075 753.103	5075753103
Liquid Waste Tub 400 mL , to mount in waste bag holder and waste container of epMotion®, with lid, autoclavable, working volume 400 mL	5075 751.720	5075751720
Enhanced Feature Set 1 , license for epBlue™ additional features: Calculated, samples; Automatic tool selection; Start at command; Email notification, requires service visit and epBlue >40.6	5075 000.964	5075000964
Waste bags , for epMotion® 5070/5073/5075 waste position, up to 7 L volume, autoclavable, PP material, thickness 50 µm, transparent, 50 bags		
Waste bags bio. , for biologically-hazardous waste	5075 751.763	5075751763
Waste bags , for non-hazardous waste	5075 751.780	5075751780
Eppendorf Magnum FLX Magnet Adapter ; universal ring magnet plate for rapid magnetic bead separation. Supports most 96-well plates (standard, PCR, deepwell)	5075 751.836	5075751836
Recommended service options*		
epBlue™ software upgrade	0082 030.048	
epMotion® Installation	0082 030.141	955989030
Installation Qualification & Operational Qualification (IQ/OQ)	0082 030.029	0082030029
epMotion® Training	0082 030.155	955989040
Application-Implementation	On request	On request

* Service products are available in selected countries only and service offer may differ.

Your local distributor: www.eppendorf.com/contact

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