Training epMotion 5070/5075

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New Hardware







What is new?

- > New PC for for epMotion 5070 and 5075 (Touchscreen)
- > EasyCon for epMotion 5070
- > MultiCon for epMotion 5075 (based on Windows 7)
- > More worktable positions (5075)
- > CleanCap for epMotion 5075 (UV and Hepa)
- > Exchangeable dedicated dispensing tools on 5070 (2)
- > Software Assistants
- > New waste tub for liquid waste
- > Generally faster movement during application run (30%)



What is new?

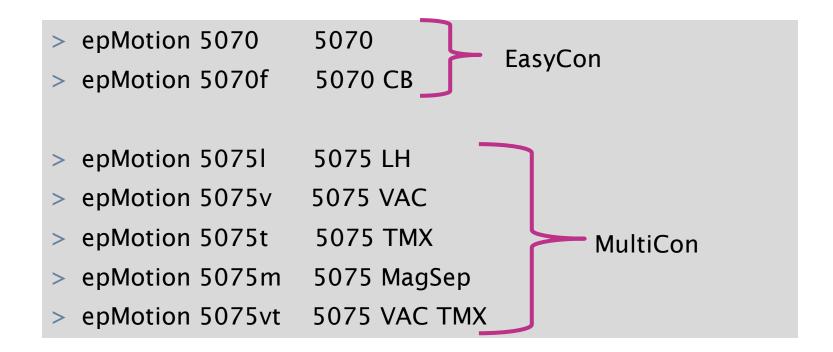
eppendorf

- Data based system
- New design
- Preprogrammed assistents
- Selecting workbench by programming applications
- Re-use/Restore tips function for all versions
- > Undo/redo function during programming commands
- > Programming replicates by irregular pattern
- Counting tips before start of the application
- It is possible to program bigger volume as the size of the tools (multistep liquid transfer)
- New position for deleting commands or labware during programming
- New labware ReservoirRack 3
- New delete functions





New types of epMotion





New Combinations



epMotion 5070 with EasyCon







epMotion 5075 with MultiCon



New types of epMotion 5070





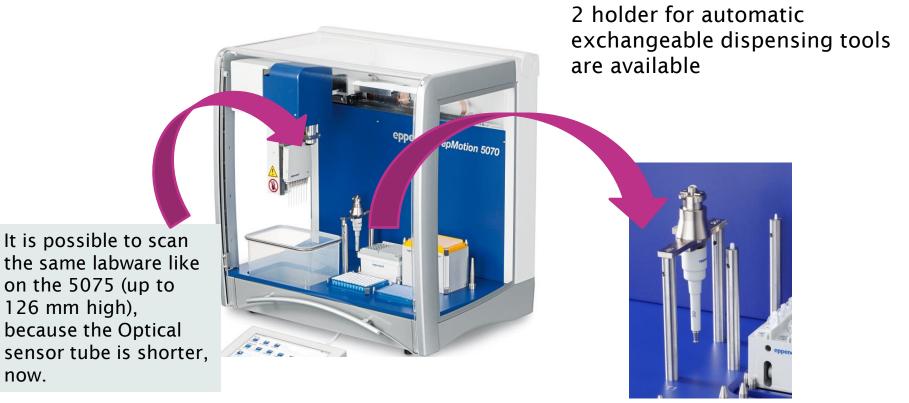
Touchscreen, but usable with Mouse, too

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New epMotion 5070

now.







EasyCon next generation

For epMotion 5070 and 5070f



Touch Screen and epBlue Software





New types of epMotion 5075

CleanCap (is available for all epMotion 5075 types)



epMotion 5075mc with MultiCon and CleanCap





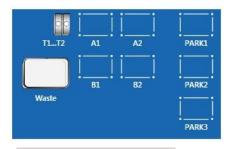
New epMotion 5075 Versions

- epMotion 5070 epMotion 5070 with 2 holders for dispensing tools
- epMotion 5070f epMotion CB version
- > epMotion 50751 epMotion LH with 15 worktable position; up to 3 thermomodules
- > epMotion 5075m epMotion MagSep version with magnetic finger module; up to 2 thermom.
- > epMotion 5075t epMotion with integrated TMX and up to 2 thermomodules
- > epMotion 5075v epMotion with Vacuum and up to 3 thermomodules
- epMotion 5075 vt epMotion with TMX and VAC; up to 2 thermomodules
- > epMotionl;m;v;vt with a "c" means this is an epMotion with CleanCap

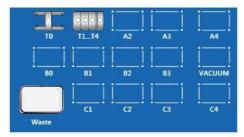


Some of possible Worktable Versions

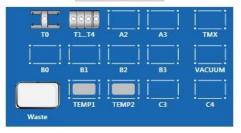
eppendorf



5070 or 5070f



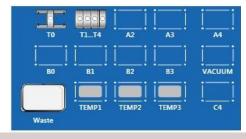
5075v



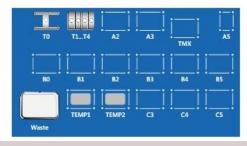
5075vt with 2 thermom.



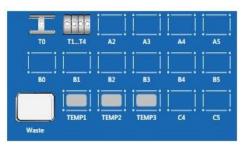
5075l



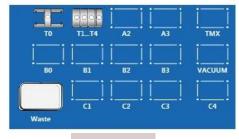
5075v with 3 thermomodules



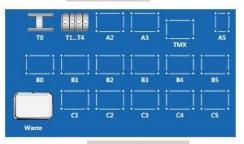
5075t with 2 thermomodules



5075l with 3 thermomodules



5075vt



5075m



epMotion 5075m



It is an epMotion 5075 with Magnet finger module

Worktable with 14,5 positions. Position A 4 is a MagSep station It is possible to integrate 2 thermal modules

Prep & PCR Assistant









epMotion 5075t



Worktable with 14,5 positions.

TMX is integrated on position A 4

It is possible to integrate 2 thermal modules

New Position, half position for reservoir rack 3, only

epMotion 5075t is an epMotion 5075 with TMX





epMotion 5075v



epMotion 5075v is an epMotion 5075 with vacuum station Worktable with 12 postions VAC is on position B 4 It is possible to integrate up to 3 thermal modules



epMotion 5075vt



Worktable with 12 postions TMX is on position A 4 VAC is on position B 4 It is possible to integrate up to 2 thermal modules

epMotion 5075 with VAC and TMX and CleanCap





CleanCap (HEPA-filter (3) and UV-light) (2 lamps) optional for each type of epMotion 5075

Motion 5075



Technical Data Hepa Filter: Filter class EN 1822 UV-Lamp: UV performance 8,6 W Intensity in a distance of 1 m 39 uW/cm²



Assistants of epMotion 5070

PCR Assistant

- Compose Mastermix
- Normalization
- Dilution Series
- Setup Reaction

Liquid Handling Assistant

Assay Setup

For epMotion 5070 the PCR Assistant and the Liquid Handling Assistant are available.

New Software Assistants for epMotion 5075 eppendorf

PCR Assistant

- Compose Mastermix
- Normalization
- Dilution Series
- Setup Reaction

Liquid Handling Assistant

> Assay Setup

Prep & PCR Assistant

- > DNA Blood + Setup Reaction
- > DNA Tissue + Setup Reaction
- > DNA Viral + Setup Reaction



Assistants

File							
epBlue Studio							
Application Editor	Application Runner	Labware Editor	Log Viewer	\$ Settings			
PCR Assistant							
1441	1441	1441	1441				
Compose Mastermix	Normalization	Dilution Series	Setup Reactions				
Prep & PCR Assi	stant						
DNA Blood + Setup Reaction	DNA Tissue + Setup Reaction	DNA Viral + Setup Reaction					
Liquid Hand	ling Assistant						
Normalizatio	on						



Next generation EasyCon

- The software of the EasyCon is similar to the software of epMotion 5073 and 5075.
- epMotion 5070 with EasyCon is working fully automated
- It is possible to work with different assistants, like Compose Mastermix,
- The icons of the commands are new coloured





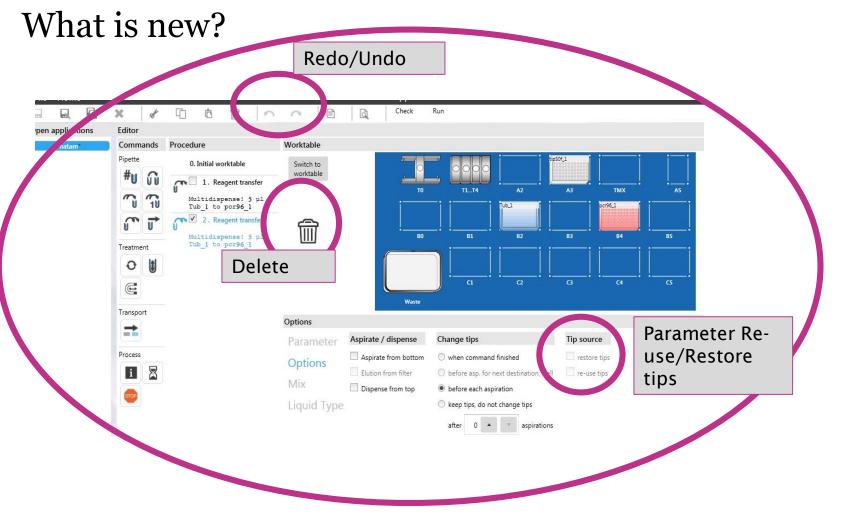


New PC - MultiCon



- > All in one PC
- > Touchable Screen
- > Different assistents are available
- New design
- Mouse
- > Keyboard



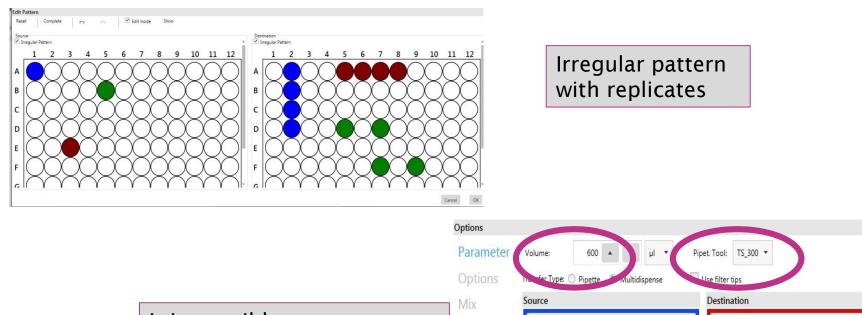






dwp96_1

What is new?



It is possible to program multistep liquid transfers (e.g. 600 µl with 300 µl Dispensing tool)

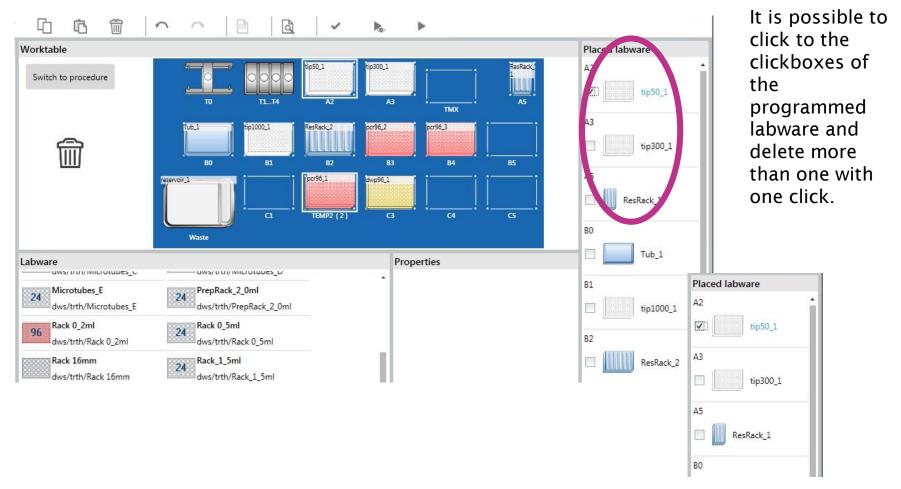


Tub_1

Liquid Type



What is new?







What is new?

4Commands - Log Viewer

Eppendorf epMotion		9/2/2013	Neurole and Chine
			Number of tips
Method name and path :	Re/Test/4Com	mands	which are in the
Date of Run :	9/2/2013 10:	05:07 AM	
Last edit :	9/2/2013 10:	05:02 AM	boxes before start of
Firmware version :	epMotion 11	.28	applications will
Software version :	40.0.3.13		applications will
TIME COMMAND	INFORMATION		shown at the
10:05:07 AM Program Init			
10:05:07 AM Program Coll			beginning of the
10:05:19 AM Program Chec			3 3
10:05:19 AM Level sensor			logfile.
	Levels: ON Tips: ON		iogine.
	Locations: OFF		
	ndorf tips found in slot A2		
Reply: 1	Text: #Checking		
	'iederholen ndorf tips found in slot A2		
10:06:25 AM Tip Scan	Name: tip1000f_1, Labware	: dws/tips/tip1000f. Number of	of tips: 28
10:06:40 AM !Dialog	Text: #Checking		
Reply: 1	(apple)		
	liederholen		
	ndorf tips found in slot A3 Name: tip300 1, Labware:	dua/tina/tin200 Number of ti	nat 47
10:10:08 AM !Dialog		aws/cips/cipsoo, Namber of ci	ups. 47
Reply: 1			
Answer: #W	liederholen		
10:11:31 AM !Dialog Reply: 1	iederholen Text: #Checking		
Answer: #W	iederholen		
	Text: #Checking		
Reply: 1	lederholen		
Answer: #W 10:14:47 AM !Dialog	Text: #Checking		
	icho, loucourud		





MultiCon

File						
epBlue Studio						·
			La la	۵		
Application Editor	Application Runner	Labware Editor	Log Viewer	Settings		
PCR Assistant						
1441	1441	1441	1441			
Compose Mastermix	Normalization	Dilution Series	Setup Reactions			
Prep & PCR Assi	stant					New epBlue
DNA Blood + Setup Reaction	DNA Tissue + Setup Reaction	DNA Viral + Setup Reaction				Desktop with all available Assistents
Liquid Handling	Assist					
Assay Setup					k	





MultiCon / EasyCon

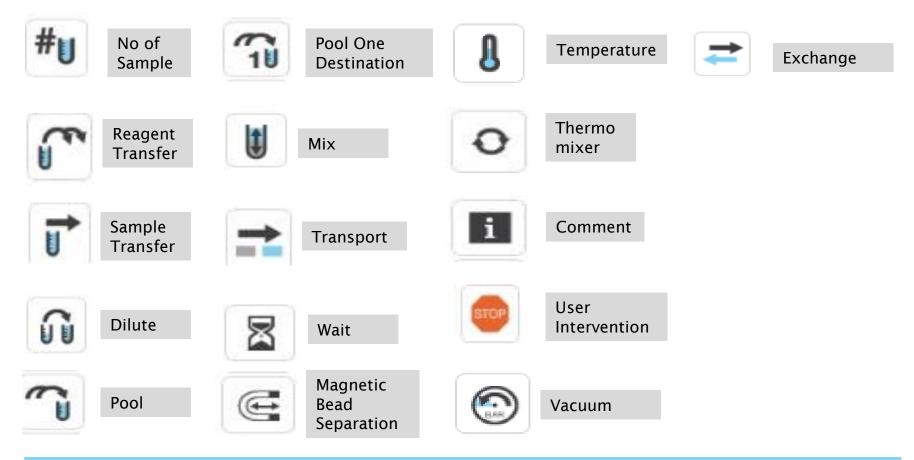
Posibilities to work with epMotion 5070 and 5075

- Free programming of applications with "Application Editor"
- Working with "PCR Assistant"
- Working with "Liquid Handling Assistant"
- Working with "Prep & PCR Assistant"
- Programming of labware combinations , like tubes and racks with "Labware Editor"





New Icons







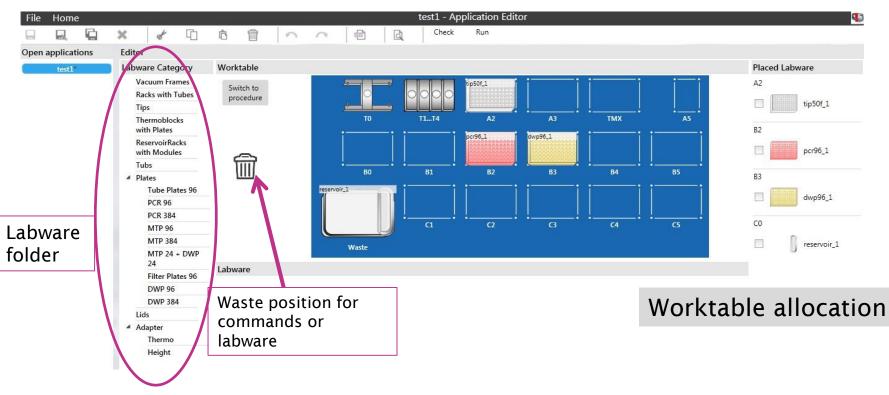
Programming of an Application

Application Editor Create new application Properties Select Wortable Preview Application Library Name: Base type Features 4 Re 0 4 place - 5070 Thermomixer 5 6 place - 5073 MBSTD 12 place - 5075 Vacuum
Application Library Ame: Software Application Library Ame: Software Ame: Ame: Ame: Ame: Ame: Ame: Ame: Ame
▲ Image: Registration of the software Comment: ○ 4 place - 5070 ✓ Thermomixer ■ software ○ 6 place - 5073 ○ MBSTD ○ TL_14 A2 A3 TMX A5
Comment: O 6 place - 5073 MBSTD 12 place - 5075 Vacuum
 Home Eppendorf Is place - 5075 TempUniti Is place - 5075 TempUniti TempUniti G G G G G G G G G G G G G G G G G G G
Properties
Path Re

Please, fill in a name



Programming of an Application

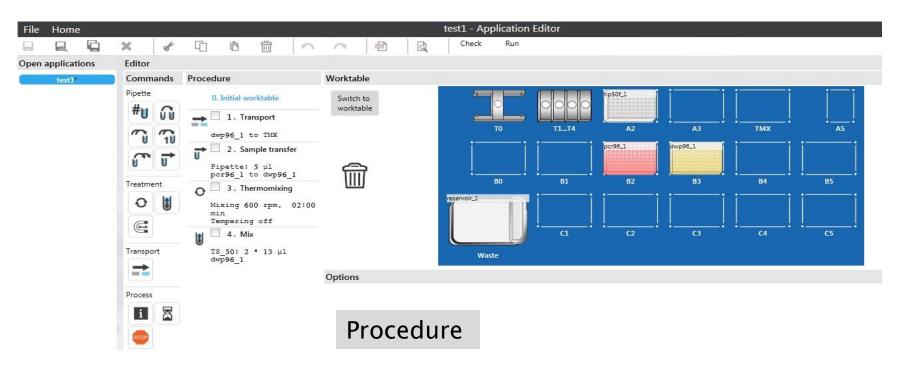


Pull the needed labware by touch or mouse to the position of the worktable





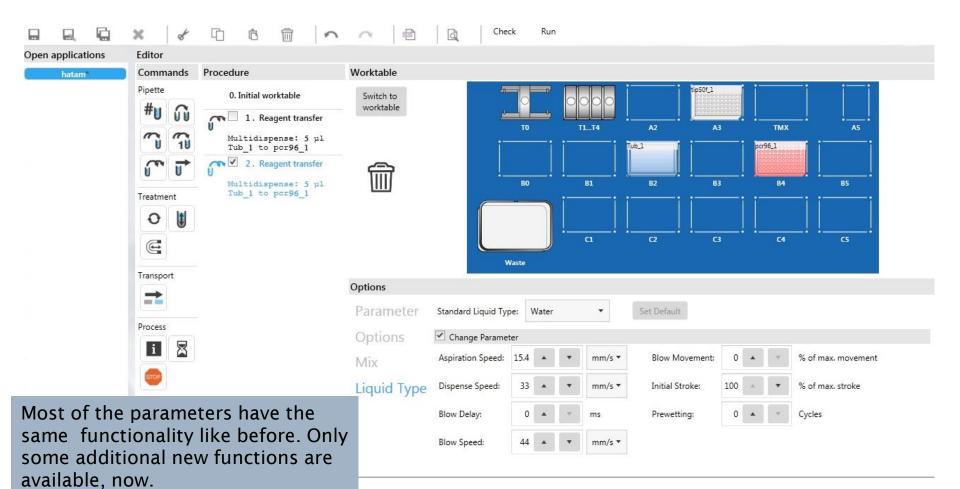
Programming of an Application



Pull the needed commands by touch or mouse to the position in the procedure

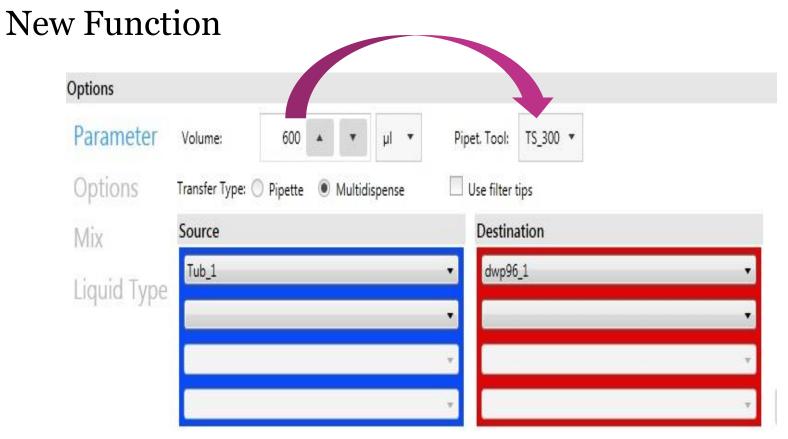


Programming of an Application



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It is possible to fill in volumes, which are exceed the maximum volume of the dispensing tools. The transfer step will accomplish several times.

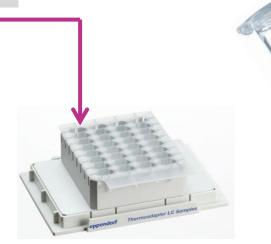




New Function

Multistep liquid transfer

eppendorf

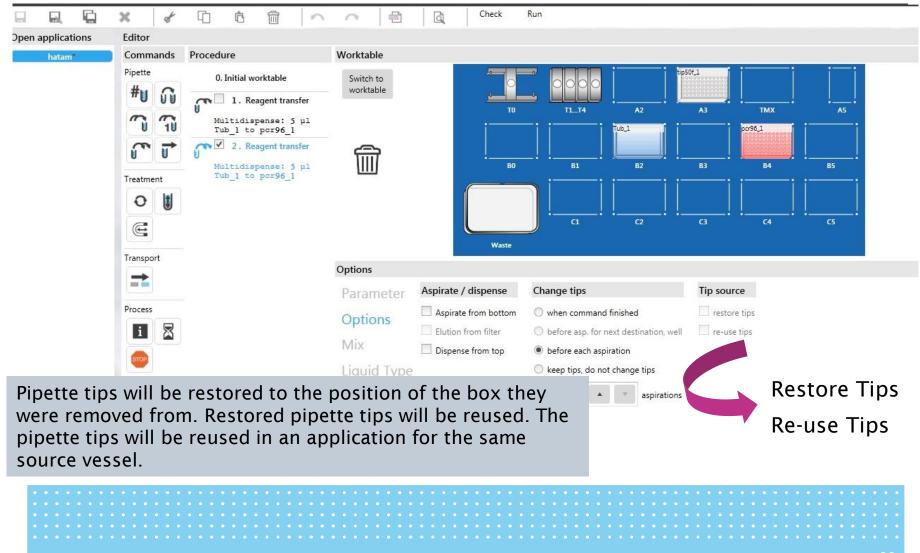


e.g. Programmed were 900 μ l by a 300 μ l tool = 3 steps each with 300 μ l filling volume inside, are carried out.





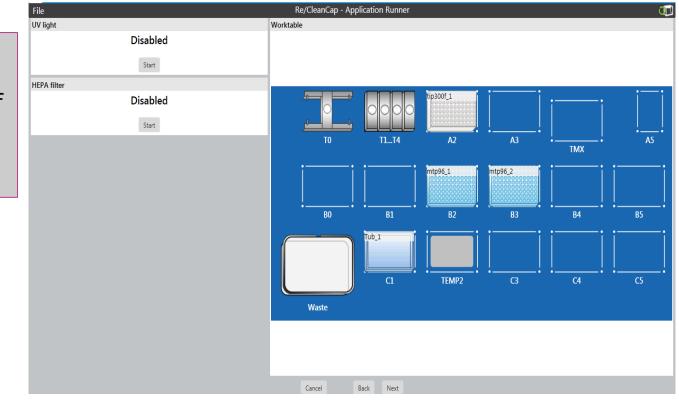
Programming of an Application





Programming of an Application

Buttons for UV light and HEPA filter visible before start of an application, when a CleanCup is integrated.





Thank you for your attention!

Brno, únor 2014