

# 4titude® TubeMarker™ 2 Tube Compatibility Table

Tube Specification				TubeMarker Software and Hardware Settings							Advanced Settings (for ribbon)									Legible and Reproducible Print?	Additional Comments
Cat. No.	Description	Cap Type (External/Internal)	Volume	Tube Print Area (mm)	Tube Diameter (mm)	Recommended Font Size	Recommended Adapter	Tube Support Platform	Magnetic Tube Support	Blue Ribbon (4ti-0686)			Black/White Ribbon (4ti-0689 / 4ti-0688)			Universal Black Ribbon (4ti-0689-1)					
										Compatible with Tube?	Pressing Force	Additional Heating Time	Compatible with Tube?	Pressing Force	Additional Heating Time	Compatible with Tube?	Pressing Force	Additional Heating Time			
<b>4titude</b>																					
4ti-0797	Eppendorf style safe-lock, smooth frosted writing area, graduations	Flip top, safe-lock	1.5 ml	18	11	16	4ti-0681			YES	30	20	YES	40	0	YES	30	0	YES	Line the point of the arrow up with the left hand side of the hinge	
4ti-0798	Eppendorf style safe-lock, smooth frosted writing area, graduations	Flip top, safe-lock	2 ml	30	11	20	4ti-0681			YES	30	20	YES	40	0	YES	30	0	YES	Line the point of the arrow up with the left hand side of the hinge	
<b>Adelphi</b>																					
7-6009-11-01	Redipac tube, natural PP	Push cap	1 ml	24	12	20	n/a	YES	YES - 60 mm	YES	30	20	NO	X	X	NO	X	X	YES	Perfect prints in the blue metallic ribbon	
<b>Analytik Jena</b>																					
31-01140	Spin filter D	Flip top	1.5 ml	18	11	18	4ti-0681	NO	NO	YES	45	20	NO	X	X					Blue ribbon produces bold, legible prints	
845-TU-0010050	Receiver tubes	Flip top	2 ml	30	11	20	4ti-0681	NO	NO	YES	30	20	NO	X	X					Blue ribbon produces bold, legible prints	
<b>Axygen</b>																					
321-05-051	Clear, smooth surface without graduations and frosted window	Flip top	0.5 ml	15	8	15	4ti-0682	NO	NO	YES	30	20	YES	40	0					Clear, consistent and legible print	
SCT-5ML-S	Storage tube	External	5 ml	40	16	20	4ti-0685-3			YES	30	20								For best results print within the frosted window	
<b>BD Vacutainer EDTA</b>																					
367864	BD Vacutainer® Plus plastic whole blood tube. Lavender BD Hemogard™ closure	External	6 ml	40	12	25	4ti-0684	YES - to vary position of print		YES	30	20	YES	40	0					Avoid the white sticky label, you must print onto the plastic	
<b>Biosigma</b>																					
CL2ARIPSTS	Barcoded cryotube, rounded bottom	Internal	2 ml	25	12	20-25	4ti-0684	YES	YES	YES	30	20	YES	40	0	YES	30	0	YES	Printing on the white label gives great contrast when scanning barcodes	
CL2ARBIPSTS	Barcoded cryotube, self-standing	Internal	2 ml	25	12	20-25	4ti-0684	YES	YES	YES	30	20	YES	40	0	YES	30	0	YES	Printing on the white label gives great contrast when scanning barcodes	
CL4ARIPSTS	Barcoded cryotube, rounded bottom	Internal	4 ml	40	12	20-25	4ti-0684	YES - to vary position of print		YES	30	20	YES	40	0	YES	30	0	YES	Printing on the white label gives great contrast when scanning barcodes	
CL4ARBIPSTS	Barcoded cryotube, self-standing	Internal	4 ml	40	12	20-25	4ti-0684	YES - to vary position of print		YES	30	20	YES	40	0	YES	30	0	YES	Printing on the white label gives great contrast when scanning barcodes	
CL5ARIPSTS	Barcoded cryotube, rounded bottom	Internal	5 ml	40	12	20-25	4ti-0684	YES - to vary position of print		YES	30	20	YES	40	0	YES	30	0	YES	Printing on the white label gives great contrast when scanning barcodes	
CL5ARBIPSTS	Barcoded cryotube, self-standing	Internal	5 ml	40	12	20-25	4ti-0684	YES - to vary position of print		YES	30	20	YES	40	0	YES	30	0	YES	Printing on the white label gives great contrast when scanning barcodes	
CL2AREPSTS	Barcoded cryotube, rounded bottom	External	2 ml	25	12	20-25	4ti-0684			YES	30	20	YES	40	0	YES	30	0	YES	Printing on the white label gives great contrast when scanning barcodes	
CL2ARBEPSTS	Barcoded cryotube, self-standing	External	2 ml	25	12	20-25	4ti-0684			YES	30	20	YES	40	0	YES	30	0	YES	Printing on the white label gives great contrast when scanning barcodes	
CL3ARBEPSTS	Barcoded cryotube, self-standing	External	3 ml	30	12	20-25	4ti-0684			YES	30	20	YES	40	0	YES	30	0	YES	Printing on the white label gives great contrast when scanning barcodes	
CL4ARBEPSTS	Barcoded cryotube, self-standing	External	4 ml	40	13	20-25	4ti-0685	YES - to vary position of print		YES	30	20	YES	40	0	YES	30	0	YES	Printing on the white label gives great contrast when scanning barcodes	
CL5ARBEPSTS	Barcoded cryotube, self-standing	External	5 ml	40	14	20-25	4ti-0686	YES - to vary position of print		YES	30	20	YES	40	0	YES	30	0	YES	Printing on the white label gives great contrast when scanning barcodes	

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Tube Specification				TubeMarker Software and Hardware Settings							Advanced Settings (for ribbon)									Legible and Reproducible Print?	Additional Comments
Cat. No.	Description	Cap Type (External/Internal)	Volume	Tube Print Area (mm)	Tube Diameter (mm)	Recommended Font Size	Recommended Adapter	Tube Support Platform	Magnetic Tube Support	Blue Ribbon (4ti-0686)			Black/White Ribbon (4ti-0689 / 4ti-0688)			Universal Black Ribbon (4ti-0689-1)					
										Compatible with Tube?	Pressing Force	Additional Heating Time	Compatible with Tube?	Pressing Force	Additional Heating Time	Compatible with Tube?	Pressing Force	Additional Heating Time			
<b>Carl Roth</b>																					
7080.1	Micro-centrifuge tube, clear	Flip top	1.5 ml	18	11	16	4ti-0681			YES	30	20	YES	40	0					Blue prints more legible and consistent than black; although black does work, blue is recommended for this tube	
AA80.1	Micro-centrifuge tube, black	Flip top	1.5 ml	18	11	16	4ti-0681			NO	X	X	YES	40	0					Do not print onto frosted window	
N459.1	Writing field, graduations, centrifuge tube	External	15 ml	40	17	20	4ti-0685-2	YES - to vary position of print		YES	30	20	YES	40	0					Printing on the writing field gives great contrast when scanning barcodes	
<b>Corning</b>																					
430659	Cryo-tube, white writing field	Internal	2 ml	25	12	20	4ti-0684	YES	YES	YES	30	20	NO	X	X					Black resin ribbon doesn't bond to the white plastic properties of this tube	
430492	Cryo-tube, white writing field	Internal	5 ml	40	12	20	4ti-0684	YES		YES	30	20	NO	X	X						
430829	CentriStar™ centrifuge tube	External	50 ml	40	29	25+	4ti-0685-5	YES		YES	30	20	NO	X	X	YES	30	0	YES		
<b>Eppendorf</b>																					
0030121023	Graduations	Flip top, safe-lock	0.5 ml	15	8	13	4ti-0682			YES	30	20	YES	40	0	YES	30	0	YES		
0030122305	Frosted window, graduations	External	5 ml	30	17	18	4ti-0685-2			YES	30	20	YES	40	0	YES	30	0	NO	Avoid frosted window and graduations; prints are unachievable in these areas of the tube	
<b>Falcon</b>																					
352059	Writing field, graduations, centrifuge tube	External	14 ml	40	16	20	4ti-0685-2	YES - to vary position of print		YES	30	20	YES	40	0	YES	30	0	YES	Avoid printing onto the frosted window of this tube with blue; black does not bond to the white label	
<b>FastGene</b>																					
FG-SCR-20S	Micro tube with knurls	External	2 ml	30	11	20	4ti-0685-1	YES - to vary position of print	YES - to vary position of print	YES	30	20	YES	40	0	YES	30	0	YES	Great surface to print onto	
FG-SCR-05S	Micro tube with knurls	External	0.5 ml	30	11	20	4ti-0685-1	YES - to vary position of print	YES - to vary position of print	NO	X	X	NO	X	X	NO	X	X	NO	Print results awful due to inner vessel creating uneven surface - tube not compatible	
<b>FluidX</b>																					
66-52330	Internal co-moulded screw cap, 96 well format storage tube	Internal	1.4 ml	30	9	20	4ti-0683	YES	YES - to ensure bottom of screw cap is above adapter	NO	X	X	YES	40	0	YES	30	0	YES		
66-32034	Internal co-moulded screw cap, 96 well format storage tube	Internal	1 ml	22	9	18	4ti-0683	YES	YES - to ensure bottom of screw cap is above adapter	NO	X	X	YES	40	0	YES	30	0	YES		
68-1000-12	External screw cap, 96 well format storage tube	External	1 ml	30	9	20	4ti-0683	YES	YES - to vary position of print	YES	30	20	NO	X	X	YES	30	0	YES	Pivot point 2 ml lower	
68-0700-11N	External screw cap, 96 well format storage tube	External	0.7 ml	15	9	18	4ti-0683			YES	30	20	NO	X	X	YES	30	0	YES	Pivot point 2 ml lower	
68-0704-11	External screw cap, 96 well format storage tube, co-moulded jacket tube	External	0.7 ml	15	9	18	4ti-0683			YES	30	20	YES	40	0	YES	30	0	YES	Only white visible on black part of tube	
<b>Greiner</b>																					
188271	Writing field, graduations, centrifuge tube	External	15 ml	40	17	20	4ti-0685-2	YES - to vary position of print		YES	35	20	YES	40	0	YES	40	0	YES	4ti-0689 does not bond to white label, perfect and legible print on clear plastic part of tube; 4ti-0686 & 4ti-0689-1 adheres to the white label as well as the clear plastic	

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										Compatible with Tube?	Pressing Force	Additional Heating Time	Compatible with Tube?	Pressing Force	Additional Heating Time	Compatible with Tube?	Pressing Force	Additional Heating Time			
<b>Greiner</b>																					
227261	Writing field, graduations, centrifuge tube	External	50 ml	40	30	25	4ti-0685-3	YES - to vary position of print		YES	35	20	YES	40	0	YES	40	0	YES	Clear and legible prints hard to achieve on white label; perfectly achievable on clear plastic of tube with a greater area to mark	
459020	Vacurette Simplex, 75 x 13 mm Secondary Tube	n/a	5 ml	40	12	25	4ti-0685-2	YES - to vary position of print		YES	30	20	YES	40	0	YES	30	0	YES	Consistently legible prints	
<b>MP Biomedicals</b>																					
116925500	Metal bead lysing matrix tubes with knurls	External	2 ml	25	10	20	4ti-0685-1	NO	NO	YES	30	20	YES	40	0	YES	30	0	YES	4ti-0686 and 4ti-0689-1 recommended	
<b>Nalgene</b>																					
5000-0012	Cryo-tube, white writing field	External	1.2 ml	16	12	16	4ti-0684			YES	30	20	NO	X	X	YES	30	0	YES	Black does not bond to white label, perfect and legible print on clear plastic part of tube	
<b>NUNC</b>																					
366656	Self-standing, rubber gasket	Internal	1 ml	32	12	20	4ti-0684	YES - to avoid internal thread	YES - to avoid internal thread	YES	30	20	NO	X	X	NO	X	X	NO	Black does not bond to white label, blue ribbon creates a perfect and legible print on clear plastic part of tube	
377224	Self standing star-foot, rubber gasket	Internal	1 ml	20	12	18	4ti-0684	YES - to avoid internal thread	YES - to avoid internal thread	NO	X	X	NO	X	X	NO	X	X	NO	Inconsistent and mostly failed prints	
375418	Self-standing	External	1.8 ml	25	12	20	4ti-0684	YES - to vary height of print	YES	YES	30	20	NO	X	X	YES	30	0	YES	Consistently legible prints	
375353	Self standing star-foot	External	1 ml	14	12	15	4ti-0684	NO	NO	NO	X	X	NO	X	X	NO	X	X	NO	Inconsistent and mostly failed prints	
377267	Self standing star-foot	Internal	1.8 ml	31	12	20	4ti-0684	YES - to avoid internal thread	YES - to avoid internal thread	NO	X	X	NO	X	X	NO	X	X	NO	Inconsistent and mostly failed prints	
<b>Promega</b>																					
AS620A	Clear, flip-top, smooth frosted writing field, graduations	Flip top	0.5 ml	15	8	13	4ti-0682	NO	NO	YES	30	20	YES	40	0				YES	Clear, consistent and legible prints	
<b>Qiagen</b>																					
55114	Microcentrifuge tube, flip top cap, clear, graduations and frosted window	Flip top	1.5 ml	17	11	15	4ti-0681	NO	NO	NO	X	X	NO	X	X	NO	X	X	NO	Tube incompatible due to sink spots and inconsistent marking	
<b>Sarstedt</b>																					
72.609	Micro tube with knurls and white label	External	2 ml	30	10	20	4ti-0685-1	NO	NO	YES	30	20	YES	40	0	YES	30	0	YES	Clear, consistent and legible prints	
72.687.772	Screw cap micro tube	External	1.5 ml	15	11	17	4ti-0681	YES	YES	YES	30	20	YES	40	0	YES	30	0	NO	Consistent prints hard to achieve due to apparent sink spots in tube	
72.695.005	Microcentrifuge tube, safe-lock cap, green	Flip top	2 ml	32	11	17-20	4ti-0681	NO	NO	YES	45	20	NO	X	X				YES	"Good" print on frosted surface; perfect and legible in between frosted surface and graduations	
62.554.502	Writing field, graduations, centrifuge tube	External	15 ml	40	16	25	4ti-0685-2	YES - to vary position of print	NO	YES	30	20	YES	40	0	YES	30	0	YES	Clear, consistent and legible prints	
62.547.254	Writing field, graduations, centrifuge tube	External	50 ml	40	30	25	4ti-0685-3	YES - to vary position of print	NO	YES	30	20	YES	40	0	YES	30	0	YES	Clear, consistent and legible prints	
<b>Simport</b>																					
T361TBR	Brown	External	1.5 ml	16	10	15	4ti-0685-1	NO	NO	YES	30	20	YES	40	0				YES	White prints perfect for this tube; three lines in a horizontal orientation, max font size 16	
<b>SSI Bio</b>																					
127000	Clear capless tube	n/a	1.7 ml	18	11	18	4ti-0681	NO	NO	YES	30	20	NO	X	X	YES	30	0	NO	Print not reproducible	

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<b>SSI Bio</b>																				
1310-00	SSI Eppendorf-style tubes	Flip top	2 ml	30	11	20	4ti-0681	NO	NO	YES	30	20	YES	40	0	YES	30	0	NO	Ribbons adhere well to the tube surface but a letter is often missing right beneath the frosted window as it is slightly prominent
<b>Techno Plas</b>																				
P5016SU	Yellow capped storage tube	External	5 ml	38	15	25	4ti-0685-2	YES	YES - to vary position of print	YES	30	20	YES	40	0	YES	30	0	YES	
<b>VWR</b>																				
211-00939 (EU) 16466-060 (NA)	Heat + acid resistant tubes	Flip top	2 ml	20	10	18-20	4ti-0685-1	YES	YES - to ensure the print begins beneath the frosted section	YES	30	20	NO	X	X	YES	30	0	YES	Position the tube so that the text begins beneath the frosted section for perfect prints; printing over the frosting can cause issues

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