



MIKRO 220 / 220R

Potenti ed esperte in microvolumi

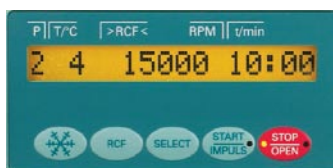
Le MIKRO 220 e 220 R sono le centrifughe che ospitano le provette per microvolumi da 0,2 ml fino a 2,0 ml. Il modello refrigerato MIKRO 220R è utilizzabile per le provette fino ad un volume di 50 ml.

Grazie alle sue doti di rendimento, capacità e refrigerazione, la MIKRO 220 R si presta anche per il trattamento dei provini PCR. Il display e tutti i controlli sulle centrifughe MIKRO 200

e 200 R sono stati progettati per la miglior facilità d'uso.

Le informazioni sul displays sono posizionate con chiarezza e perfettamente leggibili. Durante la centrifugazione i valori dei parametri effettivi vengono indicati.

La combinazione dei parametri registrati rimangono nella memoria della centrifuga anche se questa viene spenta.



TECNOLOGIA

MIKRO 220

MIKRO 220R

	CLASSICA	REFRIGERATA
Alimentazione	200–240 V 1 ~	200–240 V 1 ~
Frequenza	50–60 Hz	
Consumo	510 VA	850 VA
Norme	EN / IEC 61326-1, classe B	
Capacità max.	48 x 1.5/2.0 ml	
RPM velocità max.	18.000 min ⁻¹	
RCF max.	31.514	
Tempo di centrifugazione	1 – 99 min: 59 s, ∞ ciclo continuo, ciclo breve (tasto impulse)	
Dimensioni (AxLxP)	313 x 330 x 420 mm	313 x 330 x 650 mm
Peso	circa 21 kg	circa 42 kg
Controllo temp. continuo		da -20 a +40 °C

COMFORT

Semplice sostituzione del rotore
10 memorie programmabili
I parametri possono essere rapidamente selezionati e valori immessi tramite la manopola

SICUREZZA

Coperchio bloccato mentre il rotore è in funzione
In caso di mancanza corrente, sblocco automatico del coperchio
Protezione da surriscaldamento del motore
Camera di protezione surriscaldamento
Sensore di sbilanciamento
Accessori con guarnizione biologica (testato TÜV secondo DIN EN 61010, parte 2) per la protezione contro gli aerosol pericolosi o aggressivi








DESIGN


Coperchio e struttura in metallo
Camera di centrifugazione in acciaio inox antiruggine
Finestra di ispezione
9 differenti rotori: oltre ai rotori standard, un rotore oscillante a 24 posti, un rotore a 20 posti per cryotubes e un rotore che può contenere 6 strip PCR


Vista all'interno della centrifuga (rotore 2428 provette e di reazione con i coperchi aperti)






EQUIPAGGIAMENTI e ACCESSORI DISPONIBILI

capacity in ml	0.2	0.4	0.5	0.8	1.5	2.0
Ø x L in mm	6x18	6x45	8x30	8x45	11x38	
Cat. No.	- lid incl.				2078	0536
 rotor Cat. No. 2218-A						
Cat. No.	2024	2023	2031⁴⁾	-		
boring Ø x L in mm	6x40	8x40	10.2x19	11.2x41		
tubes per rotor	12					
max. RCF	25,718					
radius in mm	71					
run-up in sec	11					
run-down in sec, braked	10					
temperature in °C ¹⁾	-5					

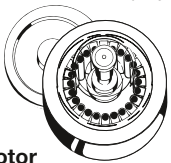








capacity in ml	0.2	0.4	0.5	0.8	1.5	2.0
Ø x L in mm	6x18	6x45	8x30	8x45	11x38	
Cat. No.	-				2078	0536
 rotor Cat. No. 1195-A	lid with bio-containment ³⁾ incl.					
Cat. No.	2024	2023	2031⁴⁾	-		
boring Ø x L in mm	6x40	8x40	10.2x19	11.2x40.8		
tubes per rotor	24					
max. RCF	31,514					
radius in mm	87					
run-up in sec	26					
run-down in sec, braked	23					
temperature in °C ¹⁾	+3					

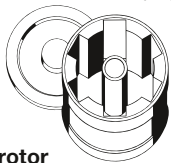









capacity in ml	0.2	0.4	0.5	0.8	1.5	2.0
Ø x L in mm	6x18	6x45	8x30	8x45	11x38	
Cat. No.	-				2078	0536
 rotor Cat. No. 1189-A	lid with bio-containment ³⁾ incl.					
Cat. No.	2024	2023	2031⁴⁾	-		
boring Ø x L in mm	6x40	8x40	10.2x19	11.2x40.9		
tubes per rotor	30					
max. RCF	21,255					
radius in mm	97					
run-up in sec	20					
run-down in sec, braked	22					
temperature in °C ¹⁾	+3					




capacity in ml	1.8
Ø x L in mm	-
Cat. No.	cryo tubes
 rotor Cat. No. 2219-A	
Cat. No.	-
boring Ø x L in mm	12.5 x 36
tubes per rotor	20
max. RCF	18,407
radius in mm	84
run-up in sec	21
run-down in sec, braked	21
temperature in °C ¹⁾	-9


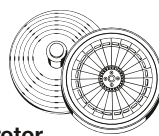
capacity in ml	0.2	0.4	0.5	0.8	1.5	2.0
Ø x L in mm	6x18	6x45	8x30	8x45	11x38	
Cat. No.	-				2078	0536
 rotor Cat. No. 1158-L	lid with bio-containment ³⁾ incl.					
Cat. No.	2024	2023	2031⁴⁾	-		
boring Ø x L in mm	6x40	8x40	10.2x19	11.4x39		
tubes per rotor	48					
max. RCF outer/inner	21,255 / 18,845					
radius in mm outer/inner	97 / 86					
run-up in sec	21					
run-down in sec, braked	22					
temperature in °C ¹⁾	-4					







EQUIPAGGIAMENTI e ACCESSORI DISPONIBILI

capacity in ml	0.2	0.4	0.5	0.8	1.5	2.0
Ø x L in mm	6x18	6x45	8x30	8x45	11x38	
Cat. No.	-				2078	0536
 lid incl.						
rotor Cat. No. 1154-L						
Cat. No.	2024	2023	2031⁽⁴⁾	-		
boring Ø x L in mm	6x40		8x40	10.2x19	11.5 x 38.5	
tubes per rotor	24					
max. RCF	18,516					
radius in mm	98					
run-up in sec	25					
run-down in sec, braked	26					
temperature in °C ⁽¹⁾	+1					


















capacity in ml	0.2	0.4	0.5	0.8	1.5	2.0
Ø x L in mm	6x18	6x45	8x30	8x45	11x38	
Cat. No.	-				2078	0536
 lid incl.						
rotor Cat. No. 1161						
Cat. No.	1378		1379		1377	
boring Ø x L in mm	6x40		8.4x43		10.8x37	
tubes per rotor	192		126		60	
max. RCF	14,171					
radius in mm	75					
run-up in sec	17					
run-down in sec, braked	18					
temperature in °C ⁽¹⁾	-3					





















capacity in ml	0.2	0.2
Ø x L in mm	6 x 18	-
Cat. No.	-	PCR strips
 lid incl.		
rotor Cat. No. 1160		
Cat. No.	-	
boring Ø x L in mm	6.5 x 15.5	
tubes per rotor	48	6 x 8
max. RCF	18,845	
radius in mm	86	
run-up in sec	20	
run-down in sec, braked	22	
temperature in °C ⁽¹⁾	-4	




















standard capillaries, heparinised	basic	self-sealing and mylar-coated
Cat. No.	2074	1071
lid as evaluation disk incl.		
 lid incl.	sealing putty	
rotor Cat. No. 1023		
Cat. No.	2077	-
boring Ø x L in mm	-	
capillaries per rotor	24	
max. RCF	21,382	
radius in mm	85	
run-up in sec	11	
run-down in sec, braked	12	
temperature in °C ⁽¹⁾	-11	

capacity in ml	5	2.6-3.4	2.7-3	1.6-5
Ø x L in mm	12x75	13x65	11x66	13x75
Cat. No.	0553⁽²⁾	blood collection tubes		
 lid incl.				
rotor Cat. No. 2226				
Cat. No.	1127			
boring Ø x L in mm	13.2x53			
tubes per rotor	12			
max. RCF ⁽²⁾	2,963			
radius in mm	106			
run-up in sec	10			
run-down in sec, braked	10			
temperature in °C ⁽¹⁾	-20			

EQUIPAGGIAMENTI e ACCESSORI DISPONIBILI

capacity in ml	5	6	10	2.6-3.4	2.7-3	4-5.5	1.6-5	4-7
Ø x L in mm	12x75	12x82	17x70	13x65	11x66	15x75	13x75	16x75
Cat. No.	0553²⁾	0501²⁾	2079	blood collection tubes				
 rotor Cat. No. 1020								
								
Cat. No.	1131	1132	1132	1131	1132	1131	1132	1132
boring Ø x L in mm	13x53	17.5x53	17.5x53	13x53	17.5x53	13x53	17.5x53	17.5x53
tubes per rotor	8							
max. RCF ²⁾	2,879							
radius in mm	103							
run-up in sec	10							
run-down in sec, braked	10							
temperature in °C ¹⁾	-20							

capacity in ml	7	15	25	50	9-10	10	15	50	30	50
Ø x L in mm	12x100	17x100	24x100	34x100	16x92	15x102	17x120	29x115	26x95	29x107
Cat. No.	0578²⁾	0518²⁾	0519²⁾	0521²⁾	blood collection/urine tubes		0509	0513	0545	0546
 rotor Cat. No. 1016										
										
Cat. No.	1632	1635	1633	-	1635	1631	1641	1633	1633	1634
boring Ø x L in mm	13x92	17.5x95	26x88	35x96	17.5x95		17x98	30x98	26x88	29x95
tubes per rotor	18	6			6		6	3	6	
max. RCF ²⁾	3,944	3,783	3,703	4,025	3,783		3,824	3,824	3,703	3,904
radius in mm	98	94	92	100	94		95	95	92	97
run-up in sec	14									
run-down in sec, braked	17									
temperature in °C ¹⁾	-20									

capacity in ml	5	15	1.1-1.4	2.6-3.4	2.7-3	4.5-5	4.9	7.5-8.5	9-10	10	1.6-5	4-7	8.5-10	15	
Ø x L in mm	12x75	17x100	8x66	13x65	11x66	11x92	13x90	15x92	16x92	15x102	13x75	13x100	16x100	17x120	
Cat. No.	0553²⁾	0518²⁾	blood collection/urine tubes										0509		
 rotor Cat. No. 1015															
															
Cat. No.	1054-A	-	1054-A									1054-A	1058	-	-
boring Ø x L in mm	13.5x60	17.7x88	13.5x60				17.7x88					13.5x60	13.5x79	17.7x88	17.7x88
tubes per rotor	12	12	12				12					12	12	12	6
max. RCF ²⁾	3,300	4,146	3,300				4,146					3,300	4,146		
radius in mm	82	103	82				103					82	103		
run-up in sec	14														
run-down in sec, braked	16														
temperature in °C ¹⁾	-20														