

Growth chambers
Main information



no growth chamber	name growth chamber	level	customer	place	contact person	e-mail	Telephone number	department				
B132a	animal	1e verdieping										
B132b	animal	1e verdieping										
B132c	animal	1e verdieping										
B132d	animal	1e verdieping										
B132e	animal	1e verdieping										
B132f	animal	1e verdieping										
B132g	animal	1e verdieping										
B135	koelcel	1e verdieping										
BK76	plants	kelder -1										
BK72	plants	kelder -1										
BK79	plants	kelder -1										
BK75	plants	kelder -1										
BK71	plants	kelder -1										
BK68	in vitro	kelder -1										
BK67	in vitro	kelder -1										
BK44	Climecs	kelder -1										
BK92	plants AMF ingeperkt	kelder -1										
BK96	plants AMF ingeperkt	kelder -1										
BK91.1	Antartic ingeperkt	kelder -1										
BK91.2	Antartic ingeperkt	kelder -1										
BK95.1	Antartic ingeperkt	kelder -1										
BK95.2	Antartic ingeperkt	kelder -1										
BK43	plants	kelder -1										
29	koelcel	kelder -1										
AK46	koelcel	kelder -1										
B324	koelcel	3e verdieping										

Growth chambers
Chamber information



No	Name	length outside [mm]	width outside [mm]	height outside [mm]	isolation material	wall thickness [mm]	ceiling thickness [mm]	ventilation wall right [mm]	ventilation wall left [mm]	suspended ceiling mm]	[length inside [mm]	width inside [mm]	height inside [mm]	inside surface area [m^2]	net volume inside [m^3]	inside material	outside material	Colour outside [RAL]	Colour inside [RAL]
B132a	animal	2700	2500	3250	PIR	100	100	150	150	500	2500	2000	2650	5,0	13,3	Sendzimir with coating	Sendzimir with coating	9010	9010
B132b	animal	2700	2500	3250	PIR	100	100	150	150	500	2500	2000	2650	5,0	13,3	Sendzimir with coating	Sendzimir with coating	9010	9010
B132c	animal	2700	2500	3250	PIR	100	100	150	150	500	2500	2000	2650	5,0	13,3	Sendzimir with coating	Sendzimir with coating	9010	9010
B132d	animal	2700	2500	3250	PIR	100	100	150	150	500	2500	2000	2650	5,0	13,3	Sendzimir with coating	Sendzimir with coating	9010	9010
B132e	animal	2700	2500	3250	PIR	100	100	150	150	500	2500	2000	2650	5,0	13,3	Sendzimir with coating	Sendzimir with coating	9010	9010
B132f	animal	2700	2500	3250	PIR	100	100	150	150	500	2500	2000	2650	5,0	13,3	Sendzimir with coating	Sendzimir with coating	9010	9010
B132g	animal	2700	2500	3250	PIR	100	100	150	150	500	2500	2000	2650	5,0	13,3	Sendzimir with coating	Sendzimir with coating	9010	9010
B135	koelcel	2640	2140	3250	PIR	120	120	0	0	0	2400	1900	3130	4,6	14,3	Sendzimir with coating	Sendzimir with coating	9010	9010
BK76	plants	4200	3200	3100	PIR	100	100	0	0	0	4000	3000	3000	12,0	36,0	Sendzimir with coating	Sendzimir with coating	9010	9010
BK72	plants	4200	3200	3100	PIR	100	100	0	0	0	4000	3000	3000	12,0	36,0	Sendzimir with coating	Sendzimir with coating	9010	9010
BK79	plants	4200	3200	3100	PIR	100	100	0	0	0	4000	3000	3000	12,0	36,0	Sendzimir with coating	Sendzimir with coating	9010	9010
BK75	plants	4200	3200	3100	PIR	100	100	0	0	0	4000	3000	3000	12,0	36,0	Sendzimir with coating	Sendzimir with coating	9010	9010
BK71	plants	4200	3200	3100	PIR	100	100	0	0	0	4000	3000	3000	12,0	36,0	Sendzimir with coating	Sendzimir with coating	9010	9010
BK68	in vitro	2700	2500	3100	PIR	100	100	150	150	500	2500	2000	2500	5,0	12,5	Sendzimir with coating	Sendzimir with coating	9010	9010
BK67	in vitro	2700	2500	3100	PIR	100	100	150	150	500	2500	2000	2500	5,0	12,5	Sendzimir with coating	Sendzimir with coating	9010	9010
BK44	Climecs	5200	3600	3100	PIR	100	100	0	0	0	5000	3400	3000	17,0	51,0	Sendzimir with coating	Sendzimir with coating	9010	9010
BK92	plants AMF ingeperkt	4200	3200	3100	PIR	100	100	0	0	0	4000	3000	3000	12,0	36,0	Sendzimir with coating	Sendzimir with coating	9010	9010
BK96	plants AMF ingeperkt	5000	3400	3100	PIR	100	100	0	0	0	4800	3200	3000	15,4	46,1	Sendzimir with coating	Sendzimir with coating	9010	9010
BK91.1	Antartic ingeperkt	2240	2240	3100	PIR	120	120	0	0	0	2000	2000	2980	4,0	11,9	Sendzimir with coating	Sendzimir with coating	9010	9010
BK91.2	Antartic ingeperkt	2240	2240	3100	PIR	120	120	0	0	0	2000	2000	2980	4,0	11,9	Sendzimir with coating	Sendzimir with coating	9010	9010
BK95.1	Antartic ingeperkt	2240	2240	3100	PIR	120	120	0	0	0	2000	2000	2980	4,0	11,9	Sendzimir with coating	Sendzimir with coating	9010	9010
BK95.2	Antartic ingeperkt	2240	2240	3100	PIR	120	120	0	0	0	2000	2000	2980	4,0	11,9	Sendzimir with coating	Sendzimir with coating	9010	9010
BK43	plants	5200	3600	3100	PIR	100	100	0	0	0	5000	3400	3000	17,0	51,0	Sendzimir with coating	Sendzimir with coating	9010	9010
29	koelcel	2740	2240	3100	PIR	120	120	0	0	0	2500	2000	2980	5,0	14,9	Sendzimir with coating	Sendzimir with coating	9010	9010
AK46	koelcel	4800	5700	3100	PIR	120	120	0	0	0	4560	5460	2980	24,9	74,2	Sendzimir with coating	Sendzimir with coating	9010	9010
B324	koelcel	2300	5000	3250	PIR	120	120	0	0	0	2060	4760	3130	9,8	30,7	Sendzimir with coating	Sendzimir with coating	9010	9010

Growth chambers
Door information



№	Name	quantity	Door width [mm]	Door height [mm]	Door thickness [mm]	Door type	Door opening direction	lockable from outside	window	window width [mm]	window height [mm]	window type	Window cover
B132a	animal	1	1000	2300	100	normal	right	no	yes	400	400	double glass	yes
B132b	animal	1	1000	2300	100	normal	right	no	yes	400	400	double glass	yes
B132c	animal	1	1000	2300	100	normal	right	no	yes	400	400	double glass	yes
B132d	animal	1	1000	2300	100	normal	right	no	yes	400	400	double glass	yes
B132e	animal	1	1000	2300	100	normal	right	no	yes	400	400	double glass	yes
B132f	animal	1	1000	2300	100	normal	right	no	yes	400	400	double glass	yes
B132g	animal	1	1000	2300	100	normal	right	no	yes	400	400	double glass	yes
B135	koelcel	1	1000	2300	100	normal	right	no	yes	400	400	double glass	yes
BK76	plants	1	1200	2300	100	normal	right	no	yes	400	400	double glass	yes
BK72	plants	1	1200	2300	100	normal	right	no	yes	400	400	double glass	yes
BK79	plants	1	1200	2300	100	normal	right	no	yes	400	400	double glass	yes
BK75	plants	1	1200	2300	100	normal	right	no	yes	400	400	double glass	yes
BK71	plants	1	1200	2300	100	normal	right	no	yes	400	400	double glass	yes
BK68	in vitro	1	1000	2300	100	normal	right	no	yes	400	400	double glass	yes
BK67	in vitro	1	1000	2300	100	normal	right	no	yes	400	400	double glass	yes
BK44	Climecs	1	1200	2300	100	normal	right	no	yes	400	400	double glass	yes
BK92	plants AMF ingeperkt	1	1200	2300	100	normal	right	no	yes	400	400	double glass	yes
BK96	plants AMF ingeperkt	1	1200	2300	100	normal	right	no	yes	400	400	double glass	yes
BK91.1	Antartic ingeperkt	1	1000	2300	100	normal	right	no	yes	400	400	double glass	yes
BK91.2	Antartic ingeperkt	1	1000	2300	100	normal	right	no	yes	400	400	double glass	yes
BK95.1	Antartic ingeperkt	1	1000	2300	100	normal	right	no	yes	400	400	double glass	yes
BK95.2	Antartic ingeperkt	1	1000	2300	100	normal	right	no	yes	400	400	double glass	yes
BK43	plants	1	1200	2300	100	normal	right	no	yes	400	400	double glass	yes
29	koelcel	1	1000	2300	100	normal	right	no	yes	400	400	double glass	yes
AK46	koelcel	1	1000	2300	100	normal	right	no	yes	400	400	double glass	yes
B324	koelcel	1	1000	2300	100	normal	right	no	yes	400	400	double glass	yes

Growth chambers
Climate information



No	Name	inside temperature range	inside temperature range	Inside temperature	Inside humidity range	Inside humidity range	Inside humidity	air velocities	fresh air make up	inlet air	exhaust air	Pressure in chamber
		light on [C° - C°]	light off [C° - C°]	uniformity [C°]	light on [% - %]	light off [%-%]	uniformity [%]	min - max [m/sec]	[times/hour]	filtered	filtered	min - max [mbar]
B132a	animal	10 - 30	10 - 30	±0.5	50-80	50-80	±5	na	0-1	no	no	na
B132b	animal	15 - 30	15 - 30	±0.5	50-80	50-80	±5	na	0-1	no	no	na
B132c	animal	15 - 30	15 - 30	±0.5	50-80	50-80	±5	na	0-1	no	no	na
B132d	animal	15 - 30	15 - 30	±0.5	50-80	50-80	±5	na	0-1	no	no	na
B132e	animal	15 - 30	15 - 30	±0.5	50-80	50-80	±5	na	0-1	no	no	na
B132f	animal	15 - 30	15 - 30	±0.5	50-80	50-80	±5	na	0-1	no	no	na
B132g	animal	15 - 30	15 - 30	±0.5	50-80	50-80	±5	na	0-1	no	no	na
B135	koelcel	4	4	±1.5	na	na	na	na	0-0.5	no	no	na
BK76	plants	15 - 30	15 - 30	±1	50-80	50-80	±5	na	0-1	no	no	na
BK72	plants	15 - 30	15 - 30	±1	50-80	50-80	±5	na	0-1	no	no	na
BK79	plants	15 - 30	15 - 30	±1	50-80	50-80	±5	na	0-1	no	no	na
BK75	plants	15 - 30	15 - 30	±1	50-80	50-80	±5	na	0-1	no	no	na
BK71	plants	15 - 30	15 - 30	±1	50-80	50-80	±5	na	0-1	no	no	na
BK68	in vitro	15 - 30	15 - 30	±0.5	50-80	50-80	±5	na	0-1	no	no	na
BK67	in vitro	15 - 30	15 - 30	±0.5	50-80	50-80	±5	na	0-1	no	no	na
BK44	Climecs	10 - 30	10 - 30	±1	50-80	50-80	±5	na	0-1	no	no	na
BK92	plants AMF ingeperkt	15 - 30	15 - 30	±1	50-80	50-80	±5	na	0-1	no	no	na
BK96	plants AMF ingeperkt	15 - 30	15 - 30	±1	50-80	50-80	±5	na	0-1	no	no	na
BK91.1	Antartic ingeperkt	1 - 15	1 - 15	±1	na	na	na	na	0-1	no	no	na
BK91.2	Antartic ingeperkt	1 - 15	1 - 15	±1	na	na	na	na	0-1	no	no	na
BK95.1	Antartic ingeperkt	1 - 15	1 - 15	±1	na	na	na	na	0-1	no	no	na
BK95.2	Antartic ingeperkt	1 - 15	1 - 15	±1	na	na	na	na	0-1	no	no	na
BK43	plants	15 - 30	15 - 30	±1	50-80	50-80	±5	na	0-1	no	no	na
29	koelcel	4	4	±1.5	na	na	na	na	0-0.5	no	no	na
AK46	koelcel	4	4	±1.5	na	na	na	na	0-0.5	no	no	na
B324	koelcel	4	4	±1.5	na	na	na	na	0-0.5	no	no	na

Growth chambers
Extra information



No	Name	service light	turning service light on	position	cleaning water connection	amount of connections	demi water connection	amount of connections	data connections	amount of connections wall	electrical connections	amount of connections wall	controllable	voltage [v]	air extraction	compressed air	amount of connections
B132a	animal	yes	light switch	outside growth chamber	no	-	yes	1x	yes	1 x double on wall	yes	2 x double on wall	no	230	no	yes	1 x
B132b	animal	yes	light switch	outside growth chamber	no	-	yes	1x	yes	1 x double on wall	yes	2 x double on wall	no	230	no	yes	1 x
B132c	animal	yes	light switch	outside growth chamber	no	-	yes	1x	yes	1 x double on wall	yes	2 x double on wall	no	230	no	yes	1 x
B132d	animal	yes	light switch	outside growth chamber	no	-	yes	1x	yes	1 x double on wall	yes	2 x double on wall	no	230	no	yes	1 x
B132e	animal	yes	light switch	outside growth chamber	no	-	yes	1x	yes	1 x double on wall	yes	2 x double on wall	no	230	no	yes	1 x
B132f	animal	yes	light switch	outside growth chamber	no	-	yes	1x	yes	1 x double on wall	yes	2 x double on wall	no	230	no	yes	1 x
B132g	animal	yes	light switch	outside growth chamber	no	-	yes	1x	yes	1 x double on wall	yes	2 x double on wall	no	230	no	yes	1 x
B135	koelcel	yes	light switch	outside growth chamber	no	-	no	-	no	-	no	-	no	-	no	no	-
BK76	plants	yes	light switch	outside growth chamber	yes	1 x	yes	2 x	yes	3 x single on wall	yes	3 x double on wall	no	230	no	yes	1 x
BK72	plants	yes	light switch	outside growth chamber	yes	1 x	yes	2 x	yes	3 x single on wall	yes	3 x double on wall	no	230	no	yes	1 x
BK79	plants	yes	light switch	outside growth chamber	yes	1 x	yes	2 x	yes	3 x single on wall	yes	3 x double on wall	no	230	no	yes	1 x
BK75	plants	yes	light switch	outside growth chamber	yes	1 x	yes	2 x	yes	3 x single on wall	yes	3 x double on wall	no	230	no	yes	1 x
BK71	plants	yes	light switch	outside growth chamber	yes	1 x	yes	2 x	yes	3 x single on wall	yes	3 x double on wall	no	230	no	yes	1 x
BK68	in vitro	yes	light switch	outside growth chamber	no	-	yes	1 x	yes	1 x double on wall	yes	2 x double on wall	no	230	no	no	-
BK67	in vitro	yes	light switch	outside growth chamber	no	-	yes	1 x	yes	1 x double on wall	yes	2 x double on wall	no	230	no	no	-
BK44	Climecs	yes	light switch	outside growth chamber	yes	1 x	yes	2 x	yes	3 x single on wall	yes	3 x double on wall	no	230	no	no	-
BK92	plants AMF ingeperkt	yes	light switch	outside growth chamber	yes	1 x	yes	2 x	yes	3 x single on wall	yes	3 x double on wall	no	230	no	yes	1 x
BK96	plants AMF ingeperkt	yes	light switch	outside growth chamber	yes	1 x	yes	2 x	yes	3 x single on wall	yes	3 x double on wall	no	230	no	yes	1 x
BK91.1	Antartic ingeperkt	yes	light switch	outside growth chamber	no	-	no	-	no	-	yes	2 x double on wall	no	230	no	yes	1 x
BK91.2	Antartic ingeperkt	yes	light switch	outside growth chamber	no	-	no	-	no	-	yes	2 x double on wall	no	230	no	yes	1 x
BK95.1	Antartic ingeperkt	yes	light switch	outside growth chamber	no	-	no	-	no	-	yes	2 x double on wall	no	230	no	yes	1 x
BK95.2	Antartic ingeperkt	yes	light switch	outside growth chamber	no	-	no	-	no	-	yes	2 x double on wall	no	230	no	yes	1 x
BK43	plants	yes	light switch	outside growth chamber	yes	1 x	yes	2 x	yes	3 x single on wall	yes	3 x double on wall	no	230	no	yes	1x
29	koelcel	yes	light switch	outside growth chamber	no	-	no	-	no	-	yes	1 x double on wall	no	230	no	no	-
AK46	koelcel	yes	light switch	outside growth chamber	no	-	no	-	no	-	yes	1 x double on wall	no	230	no	no	-
B324	koelcel	yes	light switch	outside growth chamber	no	-	no	-	no	-	yes	1 x double on wall	no	230	no	no	-

Growth chambers
Light information



				Lamp one		Lamp two			
No	Name	lamp kind	remark	lamp Type	lamp light intensity [$\mu\text{mol/s/m}^2$]	lamp Type	lamp light intensity [$\mu\text{mol/s}$]	max. dimming (min / max)	uniformity [%]
B132a	animal	LED	1 x rij lampen per laag (3 lagen), 2 x 2 rij stelling	daylight	50	-	-	-	95
B132b	animal	LED	1 x rij lampen per laag (3 lagen), 2 x 2 rij stelling	daylight	50	-	-	-	95
B132c	animal	LED	1 x rij lampen per laag (3 lagen), 2 x 2 rij stelling	daylight	50	-	-	-	95
B132d	animal	LED	1 x rij lampen per laag (3 lagen), 2 x 2 rij stelling	daylight	50	-	-	-	95
B132e	animal	LED	1 x rij lampen per laag (3 lagen), 2 x 2 rij stelling	daylight	50	-	-	-	95
B132f	animal	LED	1 x rij lampen per laag (3 lagen), 2 x 2 rij stelling	daylight	50	-	-	-	95
B132g	animal	LED	1 x rij lampen per laag (3 lagen), 1 x 2 rij stelling	daylight	50	-	-	-	95
B135	koelcel	-	Alleen werkverlichting 250 lux	-	-	-	-	-	-
BK76	plants	LED	1-laags	daylight	360	rood/verrood	40	ja	95
BK72	plants	LED	1-laags	daylight	360	rood/verrood	40	ja	95
BK79	plants	LED	1-laags	daylight	360	rood/verrood	40	ja	95
BK75	plants	LED	1-laags	daylight	360	rood/verrood	40	ja	95
BK71	plants	LED	1-laags	daylight	360	rood/verrood	40	ja	95
BK68	in vitro	LED	3-laags, 2 x 2 rij stelling	daylight	120	-	-	-	95
BK67	in vitro	LED	3-laags, 2 x 2 rij stelling	daylight	120	-	-	-	95
BK44	Climecs	LED	1-laags	daylight	500 lux	-	-	-	95
BK92	plants AMF ingeperkt	LED	1-laags	daylight	360	rood/verrood	40	ja	95
BK96	plants AMF ingeperkt	LED	1-laags	daylight	400	rood/verrood	40	ja	95
BK91.1	Antartic ingeperkt	LED	1-laags	daylight	1500	-	-	ja	95
BK91.2	Antartic ingeperkt	LED	1-laags	daylight	1500	-	-	ja	95
BK95.1	Antartic ingeperkt	LED	1-laags	daylight	1500	-	-	ja	95
BK95.2	Antartic ingeperkt	LED	1-laags	daylight	1500	-	-	ja	95
BK43	plants	LED	1-laags	daylight	360	rood/verrood	40	ja	95
29	koelcel	-	Alleen werkverlichting 250 lux	-	-	-	-	-	-
AK46	koelcel	-	Alleen werkverlichting 250 lux	-	-	-	-	-	-
B324	koelcel	-	Alleen werkverlichting 250 lux	-	-	-	-	-	-

Growth chambers
Controlling information



No	Name	controlling by main computer	growth chamber runs on main computer	sensors	temperature measuring	humidity measuring														
B132a	animal	yes	X		X	X														
B132b	animal	yes	X		X	X														
B132c	animal	yes	X		X	X														
B132d	animal	yes	X		X	X														
B132e	animal	yes	X		X	X														
B132f	animal	yes	X		X	X														
B132g	animal	yes	X		X	X														
B135	koelcel	yes	X		X	-														
BK76	plants	yes	X		X	X														
BK72	plants	yes	X		X	X														
BK79	plants	yes	X		X	X														
BK75	plants	yes	X		X	X														
BK71	plants	yes	X		X	X														
BK68	in vitro	yes	X		X	X														
BK67	in vitro	yes	X		X	X														
BK44	Climecs	yes	X		X	X														
BK92	plants AMF ingeperkt	yes	X		X	X														
BK96	plants AMF ingeperkt	yes	X		X	X														
BK91.1	Antartic ingeperkt	yes	X		X	X														
BK91.2	Antartic ingeperkt	yes	X		X	X														
BK95.1	Antartic ingeperkt	yes	X		X	X														
BK95.2	Antartic ingeperkt	yes	X		X	X														
BK43	plants	yes	X		X	X														
29	koelcel	yes	X		X	-														
AK46	koelcel	yes	X		X	-														
B324	koelcel	yes	X		X	-														