

P/N 105-914A BioComp GRADIENT MASTER 105/106/107 REV. 10/02/16 Gradlist 8												
Gradient Parameters for the SW41 and TH-641 Rotors												
For 9/16 x 3 1/2 In (14 x 89 mm) Tubes												
Beckman/Seton/Sarstedt Open Top Clear or Polyallomer Tubes												
(UltraClear, PolyClear, etc)												
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Rotor	cap	solute	top%	bottom%	LIST?~	Units	step#	time	angle	speed	GL	BUFFER*/Heavy volume**
* buffer = .1M total solute unless specified												
** Heavy volume refers to older gradients in which the heavy volume was measured. All others are half full.												
~Is this run in the 107 Memory?												
<b>SW41</b>												
SW41	SHORT	SUCR	0	50		WW	2	5:00	60	25		50mM
								1:40	82	25		
SW41	SHORT	SUCR	5	20		WV	1	2:25	81.5	15		
SW41	SHORT	SUCR	5	20	No	WV	1	2:40	81.5	15		1M NaCl; 5.9 ml Heavy
SW41	SHORT	SUCR	5	25		WV	1	2:02	81.5	15		
SW41	SHORT	SUCR	5	25	No	WW	1	1:58	81.5	16		510mM; 5.9 ml Heavy
SW41	SHORT	SUCR	5	29		WV	1	1:33	81.5	19		
SW41	SHORT	SUCR	5	30		WV	1	1:36	81.5	19		
SW41	SHORT	SUCR	5	35		WV	1	1:14	81.5	21		
SW41	SHORT	SUCR	5	40		WV	1	1:25	81.5	21		
SW41	SHORT	SUCR	5	45		WV	1	1:24	81.5	21		
SW41	SHORT	SUCR	5	50		WV	11	0:05	87	30	8	
								0:15	87	0		
								0:05	87	30		
								0:15	87	0		
								0:05	87	30		
								0:15	87	0		
								0:05	87	30		
								0:15	87	0		
								0:05	87	30		
								0:15	87	0		
								0:19	80	20		
SW41	SHORT	SUCR	7	47		WV	1	1:58	81.5	16		
SW41	SHORT	SUCR	10	25		WV	1	2:22	81.5	15		
SW41	SHORT	SUCR	10	30		WV	1	1:54	81.5	16		
SW41	SHORT	SUCR	10	30	No	WV	1	2:22	81.5	15		120mM; 5.9 ml Heavy
SW41	SHORT	SUCR	10	40		WV	1	1:48	81.5	17		
SW41	SHORT	SUCR	10	45		WV	1	1:38	81.5	18		
SW41	SHORT	SUCR	10	50	No	WW	1	1:55	81.5	25		50mM; 5.9 ml Heavy
SW41	SHORT	SUCR	15	30		WV	1	2:36	81.5	13		
SW41	SHORT	SUCR	15	30	No	WV	1	2:24	81.5	12		
SW41	SHORT	SUCR	15	33		WV	1	2:01	81.5	13		
SW41	SHORT	SUCR	15	40		WV	1	2:21	81.5	14		
SW41	SHORT	SUCR	15	40	No	WW	1	1:54	81.5	16		75mM; 5.9 ml Heavy
SW41	SHORT	SUCR	15	45		WV	1	1:53	81.5	17		
SW41	SHORT	SUCR	15	50	No	WW	2	12	55	25		.2M NaCl
								1:03	81.5	13		
SW41	SHORT	SUCR	20	40		WV	1	1:55	81.5	18		
SW41	SHORT	SUCR	20	50		WV	1	2:00	81.5	25		
SW41	SHORT	SUCR	20	50		WW	2	12.0	50	30		
								1:32	82	10		
SW41	SHORT	SUCR	20	55		WW	2	11.0	50	30		
								1:32	81	10		
SW41	SHORT	SUCR	20	60		WV	2	12.0	60	25		
								0:55	81.5	10		
SW41	SHORT	SUCR	20	60		WW	11	0:05	87	30	7	
								0:09	87	0		
								0:05	87	30		
								0:09	87	0		
								0:05	87	30		
								0:09	87	0		
								0:05	87	30		
								0:09	87	0		
								0:05	87	30		
								0:09	87	0		
								0:05	87	30		
								0:09	87	0		
								0:22	80	12		
SW41	SHORT	SUCR	20	70		WV	2	17.4	58.5	25		
								0:30	83	25		
SW41	SHORT	SUCR	24	39		WV	1	3:10	81.5	9		
SW41	SHORT	SUCR	24	48		WW	2	4:30	70	30		
								0:25	85	25		
SW41	SHORT	SUCR	30	60		WW	2	10.0	78.5	3		



SW41

SW41	LONG	SUCR	15	35		WV	1	1:30	81.5	20		
SW41	LONG	SUCR	15	45		WV	1	1:58	80.5	18		
SW41	LONG	SUCR	15	45	No	WV	1	4:06	80	8		formed at 0°
SW41	LONG	SUCR	15	50		WV	10	0:06	86	30	7	
								0:12	86	0		
								0:06	86	30		
								0:12	86	0		
								0:06	86	30		
								0:12	86	0		
								0:06	86	30		
								0:12	86	0		
SW41	LONG	SUCR	20	40		WV	1	2:25	80.5	12		
SW41	LONG	SUCR	20	50		WV	1	2:10	80.5	14		
SW41	LONG	SUCR	20	70		WV	10	0:06	86	30	8	
								0:15	86	0		
								0:06	86	30		
								0:15	86	0		
								0:06	86	30		
								0:15	86	0		
								0:06	86	30		
								0:15	86	0		
								0:06	86	30		
								0:26	78	15		
SW41	LONG	SUCR	25	50		WV	1	1:58	80.5	18		
SW41	LONG	SUCR	25	50	No	WV	1	1:42	82	18		0.6 M NaCl
SW41	LONG	SUCR	25	56		WV	1	2:59	81	10		
SW41	LONG	SUCR	30	55		WV	1	3:33	81	10		
SW41	LONG	SUCR	34	68		WV	2	5:00	70	30		
								0:25	85	25		
SW41	LONG	SUCR	35	48		WV	1	3:14	80.5	25		
SW41	LONG	GLYC	5	25		WV	1	0:45	86	25		
SW41	LONG	GLYC	10	30	No	WV	1	3:52	80	8		formed at 0°
SW41	LONG	GLYC	10	40		WV	1	2:19	81.5	12		
SW41	LONG	CsCl	1.2	1.4	No	g/cc	4	10:00	50	30		
								4:40	60	30		
								0:31	70	30		
								0:16	80	20		
SW41	LONG	CsCl	11	33		WV	2	6:30	55	25		
								1:00	70	25		
SW41	LONG	DEXT	5	40		WV	19	0:08	84	30	7	Dextran T10
								0:15	84	0		
								0:08	84	30		
								0:15	84	0		
								0:08	84	30		
								0:15	84	0		
								0:08	84	30		
								0:15	84	0		
								0:08	84	30		
								0:15	84	0		
								0:08	84	30		
								0:15	84	0		
								0:08	84	30		
								0:15	84	0		
								0:08	84	30		
								0:15	84	0		
								0:08	84	30		
SW41	LONG	NaCl	7	29		WV	1	0:39	83	30		
SW41	LONG	NYCO	5	20		WV	1	2:06	80	15		
SW41	LONG	NYCO	10	25		WV	1	2:13	80	16		
SW41	LONG	NYCO	10	40		WV	1	1:11	80	25		
SW41	LONG	NYCO	20	50		WV	2	0:45	86	10		
								0:28	86	30		
SW41	LONG	OPTI	0	30		WV	1	2:14	79	17		
SW41	LONG	OPTI	5	50	No	WV	20	0:04	85	30	7	.25M sucrose is diluent
								0:15	85	0		5% is 2.5 ml Opti, 27.5 ml .25M Suc
								0:04	85	30		50% is 25.0 ml opti, 5 ml .25M suc
								0:15	85	0		
								0:04	85	30		
								0:15	85	0		
								0:04	85	30		

SW41

								0:15	85	0	
								0:04	85	30	
								0:15	85	0	
								0:04	85	30	
								0:15	85	0	
								0:04	85	30	
								0:15	85	0	
								0:04	85	30	
								0:15	85	0	
								0:04	85	30	
								0:15	85	0	
								0:04	85	30	
								0:15	85	0	
SW41	LONG	OPTI	8	25	No	WV	1	2:25	80	16	.25 M sucrose
SW41	LONG	OPTI	10	20	No	WV	1	2:30	81	16	10mm;10% is a 1/6 dil of 60%iodixanol in .25M sucrose
SW41	LONG	OPTI	22	32		WV	1	3:51	80	10	10% is a 1/6 dil of 60% iodixanol
SW41	LONG	PERC	20	45		VV	1	3:30	80	10	
SW41	LONG	PERC	40	80		VV	1	2:26	82	13	10mm