

TABLE 1. Cellular contents of chemotaxis components

Component	Content (no. of molecules/standard cell vol) ^a in strain:					
	RP437		OW1		RP2867 ($\Delta cheR cheB$)	
	Rich medium	Minimal medium	Rich medium	Minimal medium	Rich medium	Minimal medium
Receptors (total) ^b	15,000 ± 1,700	26,000 ± 1,800	3,600 ± 170	41,000 ± 1,400		
Tsr + Tar	14,000 ± 1,700	24,000 ± 1,800	3,300 ± 170	37,000 ± 1,300	9,200 ± 600 ^c	12,000 ± 660 ^c
Trg	440 ± 70	910 ± 20	150 ± 20	1,800 ± 200		
CheA (total)	6,700 ± 1,100	7,700 ± 440	1,100 ± 130	10,000 ± 460	5,100 ± 290	5,000 ± 530
CheA _L	4,500 ± 940	5,100 ± 380	810 ± 110	6,700 ± 340	3,200 ± 190	3,300 ± 450
CheA _S	2,200 ± 520	2,600 ± 230	340 ± 90	3,600 ± 310	1,900 ± 220	1,700 ± 280
CheW	6,700 ± 890	7,200 ± 830	2,000 ± 200	16,000 ± 1,200	5,300 ± 150	5,500 ± 510
CheY	8,200 ± 310	6,300 ± 70	1,400 ± 90	14,000 ± 1,400		
CheZ	3,200 ± 90	2,700 ± 80	560 ± 90	5,700 ± 130		
CheB	240 ± 10	270 ± 10	50 ± 10	440 ± 20		
CheR	140 ± 10	160 ± 10	40 ± 10	320 ± 10		

^a Means ± standard deviations for three independent cultures analyzed four to six times, except for Tsr and Tar in RP2867 (two cultures).

^b Sum of the experimental measurements for Tsr + Tar and Trg and an estimate for Tap and Aer. See text for details.

^c Sum of separate values for Tsr and Tar. Tsr rich, 5,200 ± 520; minimal, 6,100 ± 510. Tar rich, 4,000 ± 290; minimal, 5,800 ± 410.