

TABLE 5  
SALMONELLA ISOLATIONS FROM HUMAN SOURCES  
BY SEROTYPE AND GEOGRAPHIC REGIONS, 1997

SEROTYPE	REGION										TOTAL
	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific		
AARHUS		8			3		2	1			16
ABAETETUBA	3		2		1		1				8
ABERDEEN		1			1						3
ABONY								1		2	3
ABORTUSEQUI										1	1
ADELAIDE	5	26	10	2	5	5	3	14			70
AEGUATORIA					1						1
AGAMA					2						2
AGBENI			1	1		1					3
AGO										1	1
AGONA	30	134	143	126	50	11	26	154			740
AGOUVEVE		2			1						3
AJIOBO	1				1						2
ALABAMA					1	1					2
ALACHUA	1	1	2	1	4	1	3	5			18
ALBANY		5	4	1	2		2	7			21
ALTONA			1								1
AMAGER	1	1	2					4			8
AMSTERDAM		2	1		2		2	2			9
ANATUM	11	17	37	35	25	4	6	47			208

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SEROTYPE	REGION										TOTAL
	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific		
ANECHO			1		1						2
APAPA			1					1			2
AQUA									1		1
ARAGUA					1						1
ARECHAVALETA				2	1		3			3	9
ARKANSAS					1						1
AUGUSTENBORG			1	1							2
BAHRENFELD					1						1
BAILDON	1	2	1		1						5
BANANA				1							1
BARDO	1			6						3	10
BAREILLY	6	11	17	8	22	12	13	5	18		112
BERE					8						8
BERTA	1	23	20	1	18	3	1	2	18		87
BIRKENHEAD								3	4		7
BISPBJERG					1						1
BLEGDAM				1				2	1		4
BLOCKLEY	5	16	14		5	1	6	5	10		62
BLUKWA		1									1
BONARIENSIS	2								1		3

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	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific		
BOVISMORBIFICANS	5	2	15			5	3			17	47
BRADFORD				1	2						3
BRAENDERUP	25	85	61	57	160	14	14	59	15	83	559
BRANDENBURG	12	40	34	10	34	14	3	3	17	167	
BRAZIL										1	1
BRAZOS							1				1
BRENENEY	3	1	10	3	8	1	4	4	17	51	
BRISTOL							1			1	
BRONX		2									2
BUKAVU						1					1
BUZU	3				1		1			5	
CALIFORNIA	1						8			9	
CANNSTATT				1						1	
CARACAS	1				2					3	
CARRAU		2		1	3					6	
CERRO	2	2	2	2	6	1	6	2	37	60	
CHAILEY	1	1	3		3				4	12	
CHAMELEON	1	1	2	1	1				1	7	
CHESTER	1	12	5	2	2		9	1	4	36	
CHINGOLA					1					1	

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	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific		
CHOLERAESUIS	4	7	7	2	2					3	25
CHOLERAESUIS VAR KUN	4	1	1	3	3		2	1		9	24
CLACKAMAS										3	3
COELN			3					1			4
COLINDALE					1						1
COLORADO					1						1
CONCORD								2			2
CORVALLIS										1	1
CREMIEU											1
CUBANA	2	9	7	2	3	1	1	4		7	36
DAYTONA					1	1				4	6
DENVER			2					1			3
DERBY	6	9	20	11	23	5	6	40		32	152
DESSAU					1						1
DIGUEL					1		1				2
DJUGU		1	1								2
DOULASSAME	1										1
DRYPOOL	1							6			7
DUBLIN		7	8	1	2	1	2	10		30	61
DUESSELDORF		1	3							2	6

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BY SEROTYPE AND GEOGRAPHIC REGIONS, 1997

SEROTYPE	REGION										TOTAL
	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific		
DURBAN	1		2			1				2	8
DURHAM				1						1	2
DUVAL					1						1
EALING		2	1	1		1				3	8
EASTBOURNE		1		1						1	3
EMEK	3	2		1			1				7
ENTEBBE		3			1						4
ENTERITIDIS	573	2064	1613	294	693	97	210	490	1890		7924
ENUGU		1									1
ESCANABA		1		1	1						3
ESSEN	1	2									3
ETTERBEEK						1					1
FALKENSEE				1							1
FALLOWFIELD		3									3
FARMSEN	3		3								6
FLINT	1	3	3		31			1	4		43
FLORIDA		1			9	1					11
FRIEDENAU		1									1
FULICA									1		1
GALIL						1					1

(Continued)

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SEROTYPE	REGION										TOTAL	
	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific			
GAMBIA					2							2
GAMINARA	2		3	4	11	1	22		4			47
GIVE	3	8	16	11	7	3	27	1	42			118
GLOSTRUP		2		1	2							5
GLOUCESTER	1				1							2
GOETEBORG				1								1
GOETTINGEN												1
GOLDCOAST	1											1
GROUP 51					1							1
GROUP 53					1						2	3
GROUP 56											1	1
GROUP 58					1						1	3
GROUP 59												1
GROUP 60				1							2	3
GROUP 61			1	1							3	6
GROUP 65	2		1								2	6
GROUP A											1	1
GROUP B	24	50	68	61	86	29	42	36	111			507
GROUP C1	4	8	20	8	27	5	10	10	11			103
GROUP C2	2	1	3	3	44	1	6	2	2			64

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BY SEROTYPE AND GEOGRAPHIC REGIONS, 1997

SEROTYPE	REGION										TOTAL
	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific		
GROUP D1	3	4	17	3	62	4	3	16	4	116	
GROUP D2					1	1				2	
GROUP E1	1	1		1	4		1	3	2	13	
GROUP E2	1				1			2		4	
GROUP E4					1			1		2	
GROUP F					1		1			2	
GROUP G	1			1	1	1	2	2		8	
GROUP I	1	1			1			1	1	5	
GROUP K					1			1		2	
GROUP L									1	1	
GROUP M		2								2	
GROUP O		1			1					2	
GROUP P			3		1					4	
GROUP Q					1					1	
GROUP S			2	1	1			1		5	
GROUP T									1	1	
GROUP U				1						1	
GROUP V		1	6	3	14	4		2	3	33	
GROUP W	1	1	4		1				3	10	
GROUP X	1		2		4	1			1	9	

(Continued)

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SALMONELLA ISOLATIONS FROM HUMAN SOURCES  
BY SEROTYPE AND GEOGRAPHIC REGIONS, 1997

SEROTYPE	REGION										TOTAL
	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific		
GROUP Y	2	1	2		3	1		1	1		11
GROUP Z		2	4		2	2		1	2		13
HAARDT		2							3		5
HADAR	50	156	112	34	120	12	18	35	106		643
HAGENBECK				1							1
HAIFA									4		4
HAMBURG				1							1
HARBURG					1						1
HARTFORD	10	10	38	3	25	5	11	1	7		110
HATFIELD					1						1
HAVANA	1	10	3	3	4	2	2	5	17		47
HEIDELBERG	172	406	260	119	468	104	66	79	430		2104
HERON		1									1
HIDALGO									1		1
HINDMARSH	1										1
HOLCOMB		1	1								2
HOUTEN										1	1
HVITTINGFOSS		6	2	2	4		5	3	4		26
IBADAN	2	1	1		26		12				42
IDIKAN	1		1	2							4

(Continued)



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SEROTYPE	REGION										TOTAL	
	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific			
ILALA					1							1
INDIANA		2	1	1	1	2		1	3			11
INFANTIS	26	57	76	117	79	30	71	28	167			651
INVERNESS		1	1	3	5		16					26
IRUMU	2	3	1	2	1			2	2			13
ISANGI	1											1
ISTANBUL		1							7			8
ITAMI	1								1			2
ITURI	1											1
IV 44:Z4,Z23:-		1	1		2							4
JAJA					1							1
JAMAICA					2							2
JANGWANI		2	1						1			4
JAVA	5	33	75	18	32	11	2	5	3			184
JAVIANA	17	73	86	25	240	30	127	32	45			675
JEDBURGH												1
JOHANNESBURG		2	13	5	10	4	3		7			44
JUBILEE					1							1
KANIFING				1								1
KENTUCKY	2	39	3		3		1	4	8			60

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SEROTYPE	REGION										TOTAL
	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific		
KIAMBU					2			1	5	6	14
KINGABWA	2										2
KINGSTON	2				1						3
KINONDONI		1									1
KINSHASA	1	2	2				1				6
KINTAMBO	1	2	5	1	1			1	3		14
KIRKEE						1					1
KISARAWA									2		2
KOKOMLEMLE			2							1	3
KOTTBUS	1	2	2	1		1		2	2		11
KRALENDYK		1						2	1		4
KREFELD									1		1
KUA		1									1
LAGOS									1		1
LANDAU		1									1
LAROCHELLE							1				1
LEXINGTON										1	1
LILLE						1		1	1		3
LIMBE			1								1
LIMETE		5			1						6

(Continued)

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SEROTYPE	REGION										TOTAL
	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific		
LINDENBURG					2		1				3
LITCHFIELD	11	12	12	10	19	1	8	8	24		105
LIVERPOOL		1	1						1		3
LIVINGSTONE								4	2		6
LOANDA	1										1
LOMALINDA	2	1	1		1	1		1	5		12
LOME		1			1						2
LOMITA								3			3
LONDON	1	9	6	3	5		2		7		33
LUCIANA					1	1	1				3
MADELIA		1	1		1	1	3				7
MAGWA			1								1
MAIDUGURI				1							1
MANHATTAN	3	23	41	6	5	3			18		99
MARINA	2	6	9	2	11		1	3	2		36
MARYLAND			1								1
MATADI	3	1			3	1			1		9
MBANDAKA	8	31	30	26	25	7	5	24	33		189
MELEAGRIDIS	3	2	5	5	1			6	21		43
MEMPHIS			1								1

(Continued)

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SEROTYPE	REGION										TOTAL
	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific		
MENDOZA					1						1
MENHADEN										1	1
MENSTON					1						1
MIAMI	5	7	30	2	17	2	13				76
MIKAWASIMA		1				1					2
MINNESOTA		1	1	1	1	4			18		26
MISSISSIPPI	3	10	8	3	72	41	67		1		205
MOLADE			1								1
MONSCHAUI		3		1	2	1		1	2		10
MONTEVIDEO	28	82	85	47	72	16	75	45	268		718
MOUNTPLEASANT									1		1
MPOUTO					1						1
MUENCHEN	41	53	59	27	142	42	49	27	103		543
MUENSTER	4	11	9	8	2	3	5	3	28		73
NAGOYA					1						1
NARASHINO								1			1
NESSZIONA	3	1									4
NEWBRUNSWICK	1	1	3	1		1	5		14		26
NEWHAW									1		1
NEWINGTON			2		2		1	10	5		20

(Continued)

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SEROTYPE	REGION											TOTAL			
	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific						
NEWMEXICO			1												1
NEWPORT	57	127	115	121	427	72	397	99	169						1584
NEWROCHELLE		1													1
NEWYORK		3			1										4
NIMA									1						1
NOLA				1											1
NORWICH	1	1	6	17	5	12	5	6	3						56
NOTTINGHAM		1			3		1								5
OCHSENZOLL		2													2
OHIO	3	24	16	2	13	1	9	9	23						100
ORANIENBURG	35	51	84	30	56	15	62	110	180						623
ORION			2	1											3
OSLO	2	5	3	1	1			2	11						25
OTHMARSCHEN	3							3							6
OVERSCHIE	1		1		1										3
PAKISTAN	1	1						1	1						4
PANAMA	14	29	19	10	11	2	16	16	27						144
PAPUANA								1							1
PARATYPHI A	5	20	9	1	5		4	12	16						72
PARATYPHI B	12	22	9	3	7		33	9	64						159

(Continued)

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SEROTYPE	REGION										TOTAL
	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific		
PARATYPHI C		1									1
PARERA	1		1								2
PENSACOLA	1	3				3					7
PHOENIX	1						2			2	5
PLANCKENDAEL							1				1
POMONA	2	8	4		6	1	1	3	18		43
POONA	23	49	41	16	27	16	29	45	47		293
PORTSMOUTH		2	1						1		4
POTSDAM		2		1					7		10
PULLORUM								1			1
PUTTEN		2			2				1		5
QUINIELA							1				1
READING	16	87	13	9	7	4		7	24		167
REDLANDS		1									1
RICHMOND	1	1	1		1				3		7
RISSEN		1		2	2			1	3		9
ROMANBY		3	1								4
ROODEPOORT									1		1
RUBISLAW	2	7	7	5	33	1	22	1	3		81
SAINTPAUL	41	75	57	31	56	9	26	56	85		436

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SEROTYPE	REGION										TOTAL
	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific		
SANDIEGO	3	11	13	2	12		3	4	11		59
SAPHRA	1		1				10		29		41
SCHLEISSHEIM					1	5					6
SCHOENEBERG					1						1
SCHWARZENGRUND	11	26	15	5	43	3	4	5	32		144
SENFTEMBERG	5	33	23	7	10		9	20	73		180
SEREMBAN				1							1
SHAMBA					1						1
SHUBRA	1		1					1			3
SINGAPORE					1				2		3
SINSTORF		3	1	1	1			1	1		8
SOAHANINA					1						1
SOERENGA									1		1
SOMONE		1					2				3
STACHUS		1									3
STANLEY	6	28	31	13	9	6	11	13	47		164
STANLEYVILLE		20	1		2						23
STELLINGEN			1			2					3
SUBERU				1							1
SUBSPECIES I	3	9	1		5	1	2		1		22

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	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific		
SUBSPECIES II					1	1	6				8
SUBSPECIES III				1	1		1			1	4
SUBSPECIES IIIA			1	3		1		2			7
SUBSPECIES IIIA/IIIB			4	4	4		4	1			17
SUBSPECIES IIIB			1	1	1	3			4		10
SUBSPECIES IV	2	4	1	6	3	3	1		2		22
SUNDSVALL		2	2		4	1		2	36		47
SYDNEY									1		1
TAKORADI	1			1	3						5
TAKSONY									1		1
TALLAHASSEE	3	5	1	1	2	1	1	4	1		18
TAMBACOUNDA		1									1
TELELKEBIR		2	4		2				4		12
TENNESSEE		2	6	6	3	1		3	10		31
THOMASVILLE		1					1				2
THOMPSON	106	141	95	33	140	11	20	25	124		695
TILENE					1		1				2
TOOWONG		1									1
TRACHAU				1							1
TRAVIS					1						1

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	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific		
TUCSON							2	1			3
TUINDORP					1		1				2
TYPHI	20	94	43	8	43	3	21	10	107		349
TYPHIMURIUM	459	1365	1335	606	1621	335	569	612	1387		8289
TYPHIMURIUM VAR COPE	137	163	17	58		28		15	409		827
TYPHISUIS			2		1						3
UCCLE					2	1		1			4
UGANDA	4	6	12	3	7	5		7	7		51
ULLEVI					1						1
UNKNOWN	11	67	40	11	70	23	55	33	72		382
URBANA	7	18	7	6	4	2	1	3	9		57
VEJLE			1					1			2
VICTORIA				1				1			2
VILVOORDE			1								1
VIRCHOW	12	21	12	4	3		4	4	11		71
VIRGINIA		1							1		2
WANDSWORTH		1	1			2					5
WANGATA			1								1
WARAL			1								1
WASHINGTON		3									3

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	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific		
WASSENAAR	1	1	4	1	1	1			5		14
WAYCROSS					2				2		4
WAYNE					1						1
WELIKADE	1										1
WELTEVREDEN	2	1	3		4		1		95		106
WESTHAMPTON		1			1			2	1		5
WIDEMARSH		1							1		2
WILLEMSTAD							1				1
WORTHINGTON		7	3	5	13	1	1	6	12		48
ZANZIBAR									2		2
TOTAL	2209	6254	5286	2208	5563	1126	2454	2248	7260		34608