

TABLE 5  
SALMONELLA ISOLATIONS FROM HUMAN SOURCES  
BY SEROTYPE AND GEOGRAPHIC REGIONS, 2001

Serotype	REGION										TOTAL
	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific		
ARECHAVALETA	1	1			1						3
AUGUSTENBORG					1						1
AUSTIN	1										1
AUSTRALIA					3						3
BAGUIRMI				1							1
BAILDON						2					2
BALL					1						1
BANALIA							1				1
BANANA							1				1
BARDO	1	4	1	1	1	3	2	3			16
BAREILLY	7	13	14	36	52	44	3	8			205
BARRANQUILLA	1	1		1							3
BASSADJI							1				1
BENFICA		1									1
BERE								1			1
BERTA	35	73	58	20	51	6	6	30			330
BINZA	1			1							2
BIRKENHEAD								2			2
BLEGDAM		1		1							2
BLOCKLEY	1	7	2	9	2	5	3	4			33

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	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific				
BOCHUM									3				3
BONARIENSIS		1	2						2				5
BONN		1										1	2
BOVISMORBIFICANS	6	10	15	4	22	4	4	4	5	12			82
BRADFORD						1							1
BRAENDERUP	27	24	67	31	89	14	52	28	56				388
BRANDENBURG	5	15	16	2	18	6	5	7	32				106
BRENEHY	8	31	6	6	1	2	15	4	6				79
BREZANY		4											4
BRON	1												1
BRONX				1									1
BSILLA			1										1
CALIFORNIA								1					1
CANNSTATT				1									1
CARMEL		6			1							1	8
CARRAU					4							1	5
CERRO		3	2		5	1	6	4	10				31
CEYCO												1	1
CHAMELEON		4	3	1	4	1	2	4					19
CHESTER	2	7	9	1	1	1		1	2				24

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CHICHIRI						1					1	1
CHINGOLA						1						1
CHOLERAESUIS		1	1								6	8
CHOLERAESUIS VAR KUN	1		1	2		1						5
CLAIBORNEI											1	1
CLERKENWELL			1									1
COELN		1						1			1	3
COLINDALE			2									2
CONCORD	1										1	2
CREMIEU										1		1
CUBANA		3	7	2	2		4	2	2	5		25
CURACAO	1											1
DAHRA									1			1
DAYTONA										4		4
DECATUR			1									1
DENVER		1										1
DERBY	11	13	19	7	30	9	4	7	21			121
DESSAU			1									1
DRYPOOL			1				1	1	2			5
DUBLIN	3	9	5		4	2	1	15	37			76

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	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific			
DUESSELDORF							2					2
DUNKWA					1							1
DURBAN	1	2	1		1							5
DURHAM				2	1							3
EALING		5	6		2	1					2	16
EASTBOURNE		1			1	1	2				1	6
EBRIE											2	2
EDINBURG		1										1
ELOMRANE										1		1
EMEK		1				1						2
ENTERITIDIS	604	1420	870	308	1198	158	117	266	673			5614
ESSEN				1								1
FARMSEN		1										1
FAYED					2	1		1				4
FLINT	2		2	1	5	2				1		13
FLORIDA	1				2	1						4
FLUNTERN	1		1									2
FREETOWN											1	1
FRESNO				2							1	3
GALIL							2					2

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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		
GALLINARUM								1			1
GAMINARA	2	2	4		20	8	15	1			58
GARBA	1										1
GATOW		1									1
GATUNI		3									3
GEORGIA		2						2			4
GIVE	2	7	5	3	8	5	29	2	14		75
GLASGOW		1									1
GLOSTRUP	1	1	1		1		1		1		6
GROENEKAN								1			1
GROUP 51						1	1				2
GROUP 53		1						1			2
GROUP 56		1									1
GROUP 58		1						1			2
GROUP 60	1	1	1		1						4
GROUP 61	1	2	2		2	1			2		10
GROUP 65										1	1
GROUP A						1					1
GROUP B	66	84	3	27	158	17	60	11	82		508
GROUP C1	3	18	1	5	64	1	11	2	11		116

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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			
GROUP C2	1	3	2		94	2	2		2		2	106
GROUP D1	2	3	2	2	155	8	9	1	3		3	185
GROUP D2						1						1
GROUP E1	7	4	2		14		5	2	27		27	61
GROUP E4							1					1
GROUP F					46				1		1	47
GROUP G	2			1	18		1	1	7		7	30
GROUP I	1	2	1		1		2					7
GROUP J		1	2		6							9
GROUP K								1	3		3	4
GROUP L									2		2	2
GROUP M					1							1
GROUP N					1							1
GROUP O				1	3	1	1					6
GROUP P			1		1							2
GROUP Q		1										1
GROUP R			1	1	2			1	2		2	7
GROUP S		3	1		1				1		1	6
GROUP U											1	1
GROUP V		3	4	2		1					2	12

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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		
GROUP W		2	1			1			1		6
GROUP X		1									1
GROUP Y		5	3	5				3	1		22
GROUP Z		5	1	1	79			1	17		104
GRUMPENSIS					1						1
GUSTAVIA	1										1
HAARDT	1		1						2		4
HADAR	35	76	33	29	40	11	8	19	56		307
HAIFA	1	1	1	1							4
HAMBURG			5								5
HARTFORD	4	16	59	17	36	10	6	2	7		157
HATO	1				2						3
HAVANA		1	4		6	1	1		6		19
HAYINDOGO					1						1
HEIDELBERG	169	284	272	204	292	111	99	104	349		1884
HERSTON					1						1
HINDMARSH			1		3						4
HOLCOMB		2			1						3
HOUTEN						4			1		5
HULL	1										1

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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			
HVITTINGFOSS	1	2	3	2	4	17	9	3	6			30
I 4,5,12:I:-		15	48	38	26	1	5	5	1			149
IBADAN	1		1		1		5					9
II 50:B:Z6								1				1
IIIA 48:G,Z51:-					2							2
IIIB 38:1,V:Z53					1							1
IIIB 48:I:Z									1			1
IIIB 61:K:1,5,7	1											1
INDIANA		8			2				3			13
INFANTIS	24	59	71	25	63	20	55	26	97			440
INGANDA			4									4
INVERNESS		3	2		16	1	1					23
IRUMU	1	1		2	3				2			9
ISANGI	1				1				1			3
ISTANBUL		8		2	1				15			26
ITAMI						47			3			50
ITURI			2		4	1						7
IV 44:Z4,Z23:-	2					1						3
IV 45:G,Z51:-	1							1				2
JANGWANI								2				2

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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		
JAVA	19	31	127	78	74	30	34	11	62	466	
JAVIANA	15	47	55	50	483	152	186	45	34	1067	
JERUSALEM				1						1	
JOHANNESBURG	1	3	9	4	9	1	1	4	1	33	
KAAPSTAD					1					1	
KALAMU					1					1	
KALINA			1							1	
KANDE	1									1	
KEDOUGOU					1					1	
KENTUCKY	9	17	15	3	8	1	2	6	3	64	
KIAMBU	4	4	3	1	1	1	2	5	6	27	
KINGABWA		1							2	3	
KINGSTON		1			1					2	
KINSHASA					1					1	
KINTAMBO		1	1	2		1				5	
KISARAWA	1									1	
KOKOMLEMLE		1			1				2	4	
KONSTANZ	2									2	
KOTTBUS	4	5	2	1	7			17	36	72	
KRALENDYK		2	1		1			1	1	6	

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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					
KRISTIANSTAD					1									1
KUA					2									2
LAGOS						1								1
LANDAU					1									1
LANDWASSER					1									1
LANKA		2											1	3
LATTENKAMP													1	1
LEEWARDEN					2									2
LEOPOLDVILLE		1												1
LEXINGTON	1	1		2									1	5
LIMETE													1	1
LINDENBURG						1		1			1			3
LITCHFIELD	9	38	24	10	15	10	14	8	12					140
LIVINGSTONE			4	1				2	1					8
LOANDA					1									1
LOMALINDA	1		1					1	2					5
LOME		1											1	2
LOMITA		1			1			1	1					4
LONDON	1	8	3	1	4	3		1	3				3	24
LOUBOMO					1									1

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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			
LUCIANA					1						1	2
MADELIA		1			1							3
MALSTATT	1											1
MANCHESTER	1											1
MANHATTAN	7	5	8	4	6	7	3	2			7	49
MARINA	1	12	13	1	5	1	1	4			7	45
MARSHALL							1					1
MATADI		1	1								1	3
MATOPENI		1										1
MBANDAKA	3	14	40	17	28	15	9	23			12	161
MEEKATHARRA					1							1
MELEAGRIDIS	4	3	4	3			1	1			3	19
MENDOZA					2							2
MENSTON		2										2
MIAMI	5	4	11	9	34	3	1				1	68
MICHIGAN				1								1
MIKAWASIMA				1				1			1	3
MILWAUKEE		2									2	4
MINNESOTA	1		4	1	2	1	3	2			4	18
MISSISSIPPI	2	6	4	7	132	90	94				1	336

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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			
MONO						2						2
MONSCHAUI			3				1				3	7
MONTEVIDEO	40	75	56	46	107	36	65	55	146			626
MOSCOW			1									1
MOUALINE	1											1
MOUNTPLEASANT		1										1
MUENCHEN	33	53	91	38	145	56	53	39	75			583
MUENSTER	5	13	19	2	8	3	1	1	12			64
NDOLO								1				1
NESSZIONA						2						2
NEWBRUNSWICK					1	2			6			9
NEWHAW	1											1
NEWINGTON								4				4
NEWMEXICO								2				2
NEWPORT	170	269	292	314	838	312	382	209	372			3158
NIENSTEDTEN							1					1
NIKOLAIFLEET		1										1
NIMA	1	1	1	1			1		1			6
NITRA	1											1
NOLA						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		
NORWICH	3	12	2	29	9	25	13	3			96
NOTTINGHAM		1							1		2
OAKLAND			1								1
OHIO	6	12	11	3	6	1	2	6	16		63
ONDERSTEPOORT										1	1
ORANIENBURG	41	69	98	41	79	30	68	91	78		595
ORION		1	2								3
ORITAMERIN			2		1						3
OSLO	1	2	5	1	2	1	1	1	9		23
OTHMARSCHEN		9	1	1	1			1	1		14
OUAKAM								1			1
OUDWIJK						1					1
OVERSCHIE									1		1
PAKISTAN	1	1			3						5
PANAMA	7	20	23	17	9	9	22	29	24		160
PAPUANA							1				1
PARATYPHI A	7	30	2	4	9	1	7	8	17		85
PARATYPHI B	26	29	9	7	14	11	21	18	43		178
PARATYPHI C							1				1
PARERA				2							2

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	New England	Mid Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific						
PENARTH		1													1
PENSACOLA					2	5	1								8
PHOENIX							2								2
POMONA	7	14	4	1	2	1	1	1				1		7	38
POONA	14	51	30	28	28	12	15	71				81			330
POTSDAM		1	4											1	6
PUTTEN				1		6	1							1	9
READING	1	10	7	3	5	4	2	5				16			53
RECHOVOT							1								1
REMO	1	1	1												3
RICHMOND	1	2	1					1				1		1	6
RIDGE			1	1	1										3
RIGGIL												1			1
RISSEN			1	1			1								3
ROMANBY					1										1
ROODEPOORT									1						1
ROSTOCK					2										2
RUBISLAW		1	2	4	27	5	20	4				3			66
RUIRU	1														1
SAINTPAUL	62	57	68	25	82	13	26	30				106			469

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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				
SALINATIS												2	2
SANDIEGO	13	29	10	3	17	8	6	16	12				114
SANKTGEORG		1											1
SAPHRA							7		4				11
SCHLEISSHEIM						4							4
SCHOENEBERG					1								1
SCHWARZENGRUND	11	27	10	4	13	9	6	4	20				104
SENEGAL												2	2
SENFENBERG	6	10	14	12	21		10	39	31				143
SEREMBAN					1								1
SHUBRA		1	2										3
SINGAPORE	1												1
SINSTORF	1	3	2			1							7
SOERENGA		1			1							1	3
SOMONE							1						1
STANLEY	10	42	16	8	25	7	3	9	50				170
STANLEYVILLE	1	7		2	5	1	2						18
STRASBOURG		1											1
SUBSPECIES I	1	26		2	9	8		5	17				68
SUBSPECIES II			1	2	1		5	2					11

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SUBSPECIES III						2	1	5		8	
SUBSPECIES IIIA				3	9	1		2		15	
SUBSPECIES IIIB	4	1		1	2		3	2		13	
SUBSPECIES IIIA/IIIB				3	14		5			27	
SUBSPECIES IV	2	1	3	6	4	3	2	3		25	
SUNDSVALL					1			1		4	
TALLAHASSEE	1						1			2	
TANGER		1								1	
TELELKEBIR			1	3	4	1				10	
TENNESSEE	4	2	6	5	3	1	2	8		32	
THOMASVILLE			1							1	
THOMPSON	76	82	95	40	47	32	26	93		514	
TORNOW		1			1					2	
TRAVIS							1			1	
TREFOREST					2					2	
TSEVIE									2	2	
TYPHI	21	111	31	18	50	3	7	89		343	
TYPHIMURIUM	405	1242	1005	581	1021	349	337	756		6047	
TYPHIMURIUM VAR COPE	110	111	11	57	268	131	53	211		952	

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TYPHISUIS									1			1
UGANDA	8	26	18	3	10	4	7	1	19			96
UNKNOWN	11	19	132	19	37	83	41	217	29			588
URBANA	4	13	12	1	7	2	5	2	7			53
UZARAMO					1							1
VEJLE								1				1
VENEZIANA					1							1
VICTORIA								1				1
VIRCHOW	5	14	8	6	7	1	3	12	24			80
VIRGINIA					3				2			5
VITKIN		1										1
WANDSBEK								1	1			2
WANDSWORTH			2	1								3
WASSENAAR	2	2	1		3		1	1	4			14
WAYCROSS		1	2					1				4
WELIKADE				2					1			3
WELTEVREDEN	1	2	6	2	3	2	2	1	70			89
WERNIGERODE								1				1
WESTHAMPTON									3			3
WIEN					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		
WORTHINGTON		2	3		14	1	4	1	4		29
TOTAL	2324	5153	4227	2429	6587	2076	2253	2102	4524		31675