

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1989-1999

SEROTYPE	YEAR											TOTAL
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
AARHUS			1	4	13	6		6	16	9	6	61
ABA			1									1
ABAEETETUBA	2	5	3	1	2	10	10	17	8	7	7	72
ABERDEEN	5	2	3	3	5	1	5	2	3	4	4	37
ABONY	12	3	4	2	3	6	9	2	3	6	4	54
ABORTUSBOVIS						1						1
ABORTUSEQUI									1			1
ACRES								1				1
ADELAIDE	62	64	61	96	74	110	98	88	70	72	95	890
AEQUATORIA									1		1	2
AFLAO								1			1	2
AFRICANA										2	6	8
AGAMA		1	1	1		4	3	2	2	2	2	18
AGBENI		1	2	3	1	3	5	1	3		1	20
AGEGE	1							1				2
AGO							1		1	1		3
AGONA	925	980	1006	750	651	753	683	606	740	991	528	8613
AGUEVE	1			1		2	2	4	3	6	2	21
AHMADI			1									1
AHUZA								1				1
AJI0B0					1				2	2		5

(Continued)

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SEROTYPE	YEAR											TOTAL
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
ALABAMA	2	1		3		1	1	2	2	2	4	18
ALACHUA	47	48	16	28	55	70	52	39	18	14	22	409
ALAGBON	1											1
ALAMO					2		1			1		4
ALBANY	56	42	23	24	30	29	49	26	21	23	17	340
ALBERT		1				2	1	1				5
ALBUQUERQUE	1				1							2
ALLANDALE										1		1
ALTENDORF			1									1
ALTONA			1			1		1	1		1	5
AMAGER	1	1	1	3	2		6	1	8	3	4	30
AMERSFOORT				1								1
AMSTERDAM	15	4	2	3	3	4	11	2	9	5	6	64
ANATUM	228	285	232	158	194	146	174	271	208	138	157	2191
ANECHO	2	5	1	1	2		2	5	2	2	2	24
ANK						1		2				3
ANNEDAL								1				1
ANTONIO		1	1									2
ANTSALOVA						1	2	1		2		6
APAPA									2		2	4
APEYEME											1	1

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1989-1999

SEROTYPE	YEAR											TOTAL		
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999			
AQUA			1	1	1			3	2	1				9
ARAGUA									1	1	1			3
ARECHAVALETA	1		5	4	1	4	6	6	6	9	4	3		43
ARGENTINA				1										1
ARKANSAS	6	12	6	1						1	2	4		32
ASHANTI			1											1
ASSEN	1	2										1		4
ASSINIE					1									1
ATHINAI											1			1
AUGUSTENBORG	1	2	2		1					2				8
AVIGNON			1			1								2
AZTECA	1	1			1							1		4
BABELSBERG		1												1
BAGUIDA					1									1
BAHATI									1					1
BAHRENFELD					1					1				2
BAILDON	2		1	1	1	1	14	5	5	5	73	77	180	
BALL		1						2						3
BANANA			1	1	1			1	1	1	1			6
BANCO											2			2
BARDO	24	33	11	4	8	8	1	28	10	9	13			149

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SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1989-1999

SEROTYPE	YEAR											TOTAL
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
BAREILLY	148	111	117	94	105	83	109	115	112	153	171	1318
BARRANQUILLA								1			1	2
BELEM			3	1							1	5
BELFAST			1									1
BENFICA		1					2	1		1	1	6
BENIN						1		1				2
BERE			3	1	1	2	1	1	8	1		18
BERGEN											1	1
BERKELEY										1		1
BERLIN					1							1
BERN											2	2
BERTA	653	487	419	333	401	399	367	118	87	123	143	3530
BINZA			2	5	1	2	1			1	1	14
BIRKENHEAD						2		2	7	4		15
BISPBJERG								1	1			2
BLEDGAM	1	2	5	2	6	6		2	4	3	1	32
BLIJJDORP								1				1
BLOCKLEY	262	147	132	86	89	76	55	51	62	61	54	1075
BLUKWA								1	1			2
BOCHUM										5	1	6
BONAIRE	1	1		1	1		1	1			1	7

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1989-1999

SEROTYPE	YEAR											TOTAL
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
BRONX						1				2	2	5
BROOKLYN										1		1
BROUGHTON							2				1	3
BRUNEI		1	1									2
BUDAPEST					1		1					2
BUKAVU									1			1
BURGAS			1									1
BURUNDI							1					1
BUTANTAN											1	1
BUZU						1	3		5	4	1	14
CALABAR										1	1	2
CALIFORNIA		1	6	2	4	2	1	1	9	3	1	30
CAMBERWELL										1		1
CAMBRIDGE	1						1				1	3
CANADA	1							1				2
CANASTEL		1										1
CANNSTATT									1	1		2
CANOGA		1	2	28	1							32
CARACAS									3		1	4
CARMEL							1	1			1	3
CARNO		1									1	2

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1989-1999

SEROTYPE	YEAR											TOTAL
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
CARRAU	1	9	6	5	9	9	12	30	6	3	12	102
CARSWELL			1	1								2
CERRO	117	115	102	99	57	62	74	55	60	52	56	849
CHAILEY	2	4	2		1		6	4	12	9	3	43
CHAMELEON	1	1	2	3	9	9	12	11	7	8	5	68
CHAMPAIGN		1				1	1					3
CHANDANS						1						1
CHARITY		1	1		1							3
CHARLOTTENBURG			1					1				2
CHESTER	22	369	27	30	23	21	34	26	36	24	29	641
CHICAGO					1	1				1		3
CHINGOL		1	1	1	2					1	2	8
CHINGOLA									1			1
CHITTAGONG	2											2
CHOLERAESUIS	50	39	40	35	50	53	50	41	25	23	25	431
CHOLERAESUIS VAR KUN	42	34	42	56	36	18	25	26	24	13	9	325
CLACKAMAS		3		1		1	1	1	3		3	13
CLAIBORNEI			1							1	1	3
CLERKENWELL		1										1
COELN	2	3	5	1	4	2	2	7	4	5	2	37
COLEYPARK	2	1		2								5

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1989-1999

SEROTYPE	YEAR											TOTAL
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
COLINDALE		1				5	2	7	1	4	2	22
COLORADO			1	1	1	1	1	1	1	2	2	11
CONCORD	1	1	1			1	4	5	2	2	3	20
CORVALLIS	1	1	1	1	2		1	1	1	1	1	11
COTHAM						1					2	3
CREMIEU									1			1
CUBANA	20	21	29	32	32	61	44	34	36	72	42	423
CULLINGWORTH								1				1
CURACAO	1		1		1	1					1	5
DAHRA											2	2
DAYTONA	2	2	3	1	5	3	3	4	6	3	4	36
DECATUR		1	3		1	1				2		8
DEGANIA							1				1	2
DENVER	6	2	4	1	9	2	5	2	3	1	1	36
DERBY	289	268	184	199	170	144	213	143	152	171	174	2107
DESSAU	2	2							1			5
DIGUEL								4	2	1		7
DJAKARTA					2							2
DJELFA											1	1
DJUGU	1	2	3	2		4	1	2	2	1	1	19
DOBA						1	1					2

(Continued)

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SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1989-1999

SEROTYPE	YEAR											TOTAL	
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999		
DOEL								2					2
DOULASSAME			1						1	1			3
DROGANA				3		1	3						7
DRYPOOL	8	5	7		4	4	8	5	7	4	5		57
DUBLIN	121	103	106	100	90	65	81	85	61	78	66		956
DUESSELDORF	13	14	10	6	19	12	13	6	6	15	5		119
DUGBE						1							1
DUISBURG	1	1	1	1			2						6
DUMFRIES		1											1
DURBAN	7		5	2	4	11	3	8	8	10	3		61
DURHAM	2		5	3	1	5	6	4	2		1		29
DUVAL				1	2		1		1	1			6
EALING			4	2	2	8	24	26	8	6	6		86
EASTBOURNE	11	2	11	5	8	13	10	13	3	8	7		91
EBRIE											1		1
EDINBURG	14	1	4		1	3	4			1	6		34
EDMONTON		1											1
EILBECK							1						1
EIMSBUETTEL	2										1		3
EKO		1	4	2									7
EKPOUI			1		1								2

(Continued)

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SEROTYPE	YEAR											TOTAL	
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999		
ELOMRANE												2	2
EMEK	2	4	7	7	4	3	6	5	7	7	8	60	60
ENSCHEDÉ				1								1	1
ENTEBBE				1		2		8	4		1	16	16
ENTERITIDIS	8466	8734	7755	6578	8071	9866	10201	9570	7924	6029	5343	88537	88537
ENUGU							1	1	1			3	3
EPPENDORF		1			1	1					2	5	5
ERLANGEN			1								1	2	2
ESCANABA									3			3	3
ESSEN	1	1	3	3		3		2	3	2	3	21	21
ETTERBEEK									1			1	1
FALKENSEE		1	1			1	2		1			6	6
FALLOWFIELD									3			3	3
FARMSÉN			1	1		3	2	2	6	4	3	22	22
FAYED							1				6	7	7
FERRUCH	1											1	1
FINKENWERDER			1									1	1
FISCHERKJETZ			1							1	1	3	3
FLINT		5	29	20	30	32	39	34	43	55	64	351	351
FLORIDA	2	3	9		5	3	2	7	11	8	1	51	51
FLUNTERN								1		3		4	4

(Continued)

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BY SEROTYPE AND YEAR, 1989-1999

SEROTYPE	YEAR											TOTAL				
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999					
FORTLAMBY							2									2
FREFALLS								2								2
FREIBURG					1											1
FREMANTLE							1									1
FRESNO						1		1								2
FRIEDENAU									1							1
FRINTROP									1							1
FULICA										1						1
FYRIS	2	3	1					2			1					9
GABON											1				1	2
GALIEIMA	1		3													4
GALIL										1						2
GALLINARUM	1	1	1					2			1					6
GAMABA											1					1
GAMBIA										2						3
GAMINARA	43	41	50	38	37	38	45	44	47	61	52	496				
GARBA			1					1				2				
GAROLI			1		1							2				
GATESHEAD					3							3				
GATOW	1	2	1	2	1		1			2		10				
GATUNI	4	6	3	2	6	3	1	2		1	1	29				

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SEROTYPE	YEAR											TOTAL	
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999		
GEORGIA		2				1	2				2		7
GERA			1	1									2
GIVE	86	94	143	123	101	95	101	114	118	92	97		1164
GLIDJI							1						1
GLOSTRUP	16	26	17	78	42	13	31	13	5	10	7		258
GLOUCESTER					2	3	2	2	2				11
GODESBERG		1			1		1	1					4
GOETEBORG									1				1
GOETTINGEN		1	2	2	1				1	1	1		9
GOLDCOAST		1					1		1	1	1		5
GOMBE		1											1
GOODWOOD		1											1
GROUP 51				1				1	1	2	1		6
GROUP 52								2					2
GROUP 53						2	1	5	3	2	2		15
GROUP 54							1						1
GROUP 56								3	1				4
GROUP 57										1			1
GROUP 58					3		3		3	2	1		12
GROUP 59					1	2			1				4
GROUP 60						3	2	6	3	2	2		18

(Continued)

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SEROTYPE	YEAR											TOTAL
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
GROUP 61				2	9	11	17	17	6	5	5	72
GROUP 62											1	1
GROUP 63											1	1
GROUP 64					1							1
GROUP 65						1	2	2	6			11
GROUP A	4	13	6	1	1	7	4	3	1	2	3	45
GROUP B	434	495	370	475	539	563	601	582	507	532	438	5536
GROUP C1	151	168	112	124	110	137	108	123	103	85	138	1359
GROUP C2	116	99	60	107	163	201	111	108	64	51	48	1128
GROUP D1	211	209	155	202	280	257	182	186	116	113	80	1991
GROUP D2		1		1			1	3	2	1	1	10
GROUP D3										2		2
GROUP E1	18	20	13	13	7	29	20	21	13	14	17	185
GROUP E2	1		1					2	4	2	1	11
GROUP E4	3	2	1	2	2	3	2	3	2	3	2	25
GROUP F	1		2	7	2	8	3	5	2	6		36
GROUP G	23	17	9	7	22	34	73	42	8	17	15	267
GROUP H	2	1	2	1	3	2	2	4		2	2	21
GROUP I		1	2	3	2	12	5	6	5	44	46	126
GROUP J					2		1	1			1	5
GROUP K			2	6	1	2	3	5	2	4	4	29

(Continued)

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SEROTYPE	YEAR												TOTAL
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999		
GROUP L				1		3	2			1	1		8
GROUP M									2				2
GROUP N				1	1			1		1			4
GROUP O	1	1	2			3	2	3	2	1	4		19
GROUP P			1		11	4	4	1	4	1			26
GROUP Q							1			1	2		5
GROUP R				4	2	1	2	3		3	1		16
GROUP S					3	5	5	5	5	1	1		25
GROUP T								1	1				2
GROUP U					2	2	3	4	1				12
GROUP V					2	1	6	15	26	33	9	7	99
GROUP W				2	13	24	15	21	10	3	3		91
GROUP X				2	1	1	1	10	9	2	4		30
GROUP Y				6	14	14	15	15	11	4	15		94
GROUP Z				5	16	18	18	16	13	6	14		106
GRUMPENSIS	1	2	1		3	1	3			1	2		14
GUARAPIRANGA		1											1
GUILDFORD											1		1
GUINEA								1					1
HAARDT	75	49	22	10	13	10	16	6	5	2	3		211
HADAR	2007	1837	1970	1532	1298	1001	812	658	643	544	516		12818

(Continued)

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SEROTYPE	YEAR											TOTAL			
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999				
HADDON							1								1
HADEJIA															1
HAELSIINGBORG				1	1										2
HAGENBECK				2			1	1	1						6
HAIFA	3	8	4	2	4	2	2	3	4	3	6				41
HALLE															1
HALMSTAD		1		1		3		1						2	8
HAMBURG	16	7	2				4		1				1		31
HANDEN								1							1
HARBURG									1						1
HARLEYSTREET										1					1
HARRISONBURG		1													1
HARTFORD	49	56	130	71	100	90	164	89	110	175	140				1174
HATFIELD									1						2
HATO	2	15				1	1							1	20
HAVANA	80	57	56	49	53	38	57	59	47	77	46				619
HAYINDOGO										1					1
HEERLEN						1									1
HEIDELBERG	4722	3955	2972	2528	2457	1825	2095	1998	2104	1900	1816				28372
HEILBRON				3	1					1					5
HERON									1						1

(Continued)

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BY SEROTYPE AND YEAR, 1989-1999

SEROTYPE	YEAR											TOTAL		
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999			
HERSTON			1											2
HEVES												1		1
HIDALGO	2				1	1			1					5
HIDUDDIFY			4			1						3	1	9
HILLINGDON								1						1
HINDMARSH		3	1	1	1		2	1	1	1	3			13
HOLCOMB		2	1					1	2			1		7
HOMOSASSA								1			2			3
HORSHAM		1	1	1				2				3		8
HOUTEN	4	3	2	5	3	7	3	21	1	6	10			65
HULL		1			1	1	3							6
HVITTINGFOSS	10	10	11	22	20	14	15	44	26	28	38			238
HYDRA		1												1
I 4,5,12:I:-										34	44			78
IBADAN	7	19	21	20	13	24	46	33	42	39	27			291
IDIKAN			5	6	6	2		11	4	1				35
II 50:B:Z6										3				3
IIIA 48:G,Z51:-												3		3
IIIA 53:Z4,Z23,Z32:-												4		4
IIIB 48:I:Z												1		1
IIIB 61:1,V:1,5,7										1	2			3

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SALMONELLA ISOLATIONS FROM HUMAN SOURCES
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SEROTYPE	YEAR											TOTAL	
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999		
IIIB 61:K:1,5,7												3	3
IIIB 65:K:Z												1	1
ILALA									1				1
ILLINOIS	1		1					1					3
ILUGUN								3					3
IMO								1					1
INCHPARK						1						1	2
INDIA			1	1				1					3
INDIANA	78	48	36	24	18	25	24	28	11	7	14		313
INFANTIS	908	753	580	499	568	520	521	503	651	600	596		6699
INGANDA				1									1
INPRAW				1									1
INVERNESS	25	16	15	32	20	21	37	20	26	32	24		268
IPSWICH			1				1	1			1		4
IRCHEL							1						1
IRENEA												1	1
IRUMU	6	2	1	7	39	45	31	18	13	15	6		183
ISANGI	5	1	2				3	1	1	5	1		19
ISLINGTON						1							1
ISRAEL				1									1
ISTANBUL	26	21	5	13	12	7	10	9	8	7	25		143

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SEROTYPE	YEAR											TOTAL
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
ITAMI	2		2			1		1	2	8	7	23
ITURI				1	5	2	4	2	1	5	3	23
IV 44:Z4, Z23 :-									4	6	14	24
IV 45:G, Z51 :-										2	1	3
JACKSONVILLE	3											3
JAFFNA					1	2						3
JAJA									1		1	2
JAMAICA			2	2	1	2	6		2	1	2	18
JANGWANI			5	2	6	3	10	7	4	5	6	48
JAVA	193	120	148	156	176	172	268	289	184	248	314	2268
JAVIANA	578	703	786	648	641	540	758	749	675	1167	1197	8442
JEDBURGH				1					1			2
JERICHO		1										1
JERUSALEM		1		1								2
JOAL							1					1
JODHPUR										1		1
JOHANNESBURG	61	78	108	53	63	48	74	44	44	32	44	649
JOS											1	1
JUBILEE									1			1
JUKESTOWN				1								1
KAAPSTAD		4	8	3				1				16

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1989-1999

SEROTYPE	YEAR											TOTAL			
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999				
KADUNA					1	1									2
KALAMU				1											1
KAMBOLE										1					1
KAMPALA		1													1
KANIFING	1		5		3				1						10
KAOLACK							1								1
KEDUGOU			1				4				1	2			8
KENTUCKY	56	47	46	31	46	42	80	78	60	58	71	615			
KIAMBU	13	21	11	4	7	6	14	17	14	13	40	160			
KIBI					1										1
KIBUSI		1					3								4
KILWA						11	4	2		1	3	21			
KIMBERLEY		1													1
KIMUENZA			3			2									5
KINGABWA				1	1	1	1		2		2	8			
KINGSTON	2		4	1	1	1			3	1		13			
KINONDONI				1			1		1	1	1	5			
KINSHASA	1					2	4	7	6	1	3	24			
KINTAMBO	2	3	1	2	17	19	21	19	14	20	8	126			
KIRKEE									1			2			
KISANGANI	1			1			2					4			

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1989-1999

SEROTYPE	YEAR											TOTAL
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
KISARAWA			1						2	2		5
KISII			1									1
KITENGE							1					1
KIVU											2	2
KODJOVI			2			1						3
KOESSEN								1				1
KOKETIME								1				1
KOKOLI										1		1
KOKOMLEMLE	5	2	2	1	2	2	2	2	3	1	1	23
KONSTANZ		1										1
KORTRIJK			1									1
KOTTBUS	7	18	21	42	27	22	49	9	11	2	5	213
KPEME					1							1
KRALENDYK		1	4	5	5	3	10	15	4	14	3	64
KRALINGEN											1	1
KREFELD	2	1	1	1	9	3	3	2	1		1	24
KUA				1	1	1	2	1	1	1	2	10
KUILSRIVIER		2										2
KUMASI						1						1
KUNDUCHI										1		1
KURU						1						1

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1989-1999

SEROTYPE	YEAR											TOTAL	
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999		
LABADI				1		1	2				1		5
LAGOS	3			3	1	1	2	1	1				12
LAMBERHURST										1			1
LAMIN										1			1
LANDAU									1				1
LANDWASSER					1					1	2		4
LANGENSALZA							1			1			2
LANKA	8	6		1	1	3				1	1	1	21
LANSING		1			1							1	3
LAROCHELLE	5	2	5	2	3	4	4	4	1	6	4		40
LAWNDALE					1			1					2
LAWRA				1									1
LEOBEN				1									1
LEOPOLDVILLE		1											1
LEXINGTON	2	5	1	3	5	3	1	2	1				23
LICHTENBERG				1								1	2
LILLE	1	4	2	4	3	1			3		1		19
LIMBE					1		1		1				3
LIMETE			1	1				1	6	1			10
LINDENBURG	12	12	12	8	11	6	9	5	3	10	5		93
LINDI								1					1

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1989-1999

SEROTYPE	YEAR											TOTAL
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
LITCHFIELD	117	80	94	92	116	93	115	158	105	119	135	1224
LIVERPOOL	2	3	6	6	1		2	3	3		2	28
LIVINGSTONE	52	35	22	27	12	16	13	18	6	5	4	210
LOANDA			7	3	3				1			14
LOCKLEAZE				1		3	2			1	1	8
LOHBRUEGGE	1						2	4			2	9
LOMALINDA	8	5	6	10	14	15	15	24	12	16	8	133
LOME					1	2		2	2			7
LOMITA	5	5	3	1	5	1	2	5	3	3		33
LOMNAVA			2									2
LONDON												
LONDON	52	40	19	21	14	15	36	23	33	28	41	322
LOSANGELES								1				1
LOVELACE						1				1		2
LUANSHYA											1	1
LUCIANA			4	2	1	4		1	3	3	6	24
LUKE						2						2
MAARSEN					1							1
MADELIA	5	12	8	10	3	5	8	21	7	12	12	103
MAGWA										1	1	2
MAIDUGURI												1
MAKUMIRA						1						1

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1989-1999

SEROTYPE	YEAR											TOTAL				
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999					
MALSTATT	1							2								3
MAMPEZA								1								1
MANCHESTER	2	1													1	4
MANGO			1												1	2
MANHATTAN	69	50	36	49	130	92	72	101	99	73	78					849
MANILA	1	1				1									1	4
MAPO				1	1		1									3
MARACAIBO	2															2
MARICOPA				1												1
MARINA	2	5	10	17	30	53	75	81	36	47	44					400
MARYLAND									1	1						2
MATADI		1	2		6	20	10	27	9	4	2					81
MATOPENI										2						2
MBANDAKA	190	135	206	130	167	118	154	223	189	147	231					1890
MELEAGRIDIS	6	18	25	8	15	12	30	207	43	39	14					417
MEMPHIS			1		2			1	1		1					6
MENDEN		1									1					2
MENDOZA			1	1		1			1	3	1					8
MENHADEN	2	4	1	5		2	5	14	1							34
MENSTON			2	2					1							5
MGULANI								2							2	4

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1989-1999

SEROTYPE	YEAR											TOTAL
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
MIAMI	41	28	115	70	98	126	74	52	76	99	95	874
MICHIGAN	1	1	1			3	8	1		2	2	19
MIDWAY			1	1								2
MIKAWASIMA	5	8	2	7	2	1	7		2		4	38
MINNEAPOLIS	18	6	7	4	1			1				37
MINNESOTA	12	22	21	19	28	13	36	28	26	17	23	245
MISSION						1					1	2
MISSISSIPPI	136	175	170	137	156	152	199	180	205	314	248	2072
MOERO							2					2
MOLADE		1	1	1	1	1			1	1		7
MONO						1	1			2		4
MONS		2	1					2				5
MONSCHAUI	5	6	2	9	8	9	9	11	10	3	5	77
MONTEVIDEO	794	928	868	559	789	631	685	1227	718	828	851	8878
MOREHEAD				1	1	1	2					5
MOROTAI		1										1
MOSCOW		2	1	15				1		4		23
MOUNDOU											1	1
MOUNTPLEASANT							1		1	1		3
MOWANJUM						1		2				3
MPOUTO						1			1			2

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1989-1999

SEROTYPE	YEAR											TOTAL
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
MUENCHEN	451	464	506	449	657	559	754	595	543	639	1332	6949
MUENSTER	51	86	68	47	69	100	87	96	73	68	65	810
MUNDSBURG			1									1
NACHSHONIM							1	1				1
NAGOYA						1			1			2
NAMIBIA		1						1				2
NAPOLI			1					1			2	4
NARASHINO					1		1	1	1			4
NCHANGA										1		1
NDOLO					1							1
NEGEV						1	1					2
NESSZIONA									4			4
NEUDORF					1							1
NEWBRUNSWICK	17	22	8	8	5	3	20	22	26	36	23	190
NEWHAW	2						4	1	1	1		9
NEWINGTON	21	14	26	25	15	13	17	16	20	25	23	215
NEWLANDS								1				1
NEWMEXICO	2	1		1	3	2			1			10
NEWPORT	2111	1802	1818	1481	1487	1673	2566	1985	1584	2272	2618	21397
NEWROCHELLE							2	1	1	1	1	6
NEWYORK								3	4		1	8

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1989-1999

SEROTYPE	YEAR											TOTAL				
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999					
NGILI						1										1
NGOR															2	2
NIAKHAR				1												1
NIENSTEDTEN	1		3		1	2										7
NIGERIA								1								1
NIMA		1				1	1	4	1	5	1	14				14
NITRA	1							3				1				5
NOLA									1	1						2
NOORDHOEK							1									1
NORDENHAM															1	1
NORWICH	49	58	32	41	59	98	51	52	56	67	74	637				
NOTTINGHAM			2	1	1	3	3	3	5	2		20				
OAKLAND	2	3	2	2	3	4	1	4			1	22				
OCHIOGU					1							1				1
OCHSENZOLL						1			2			3				
OERLIKON						1						1				1
OFFA				2	1							3				
OHIO	153	166	132	161	132	101	105	67	100	79	77	1273				
OKATIE					1		1	1				3				
OLDENBURG					1					1		3				
ONDERSTEPOORT	1						1	2			1	5				

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1989-1999

SEROTYPE	YEAR											TOTAL				
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999					
ONIREKE		1				1	1									3
ONTARIO					2										1	3
ORANIENBURG	572	501	655	597	522	602	595	690	623	693	616	6666				
ORIENTALIS							2	6		1	2	11				
ORION	5	1		4	3	1	1	6	3	1		25				25
ORITAMERIN		1	3	1								5				
OSLO	8	16	11	14	19	14	13	31	25	31	28	210				
OTHMARSCHEN	4		6			4	2	6	6	7	20	55				
OUAKAM	1			2	7	2	4					16				
ODWIJJK										1		1				1
OVERSCHIE					1		3	4	3	3	2	16				
OYONNAX			1									1				
PAKISTAN	5	1	2		1			2	4		6	21				
PANAMA	266	304	236	185	173	163	173	148	144	119	132	2043				
PAPUANA				1			1		1			3				
PARATYPHI A	69	69	76	80	53	79	86	86	72	85	77	832				
PARATYPHI B	114	89	101	110	208	228	241	298	159	189	172	1909				
PARATYPHI C	5	2	1	2	1	2	2	1	1		1	18				
PARERA				2	2	4	7	7	2	4	2	30				
PARIS		1										1				
PATIENCE								1				1				1

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1989-1999

SEROTYPE	YEAR											TOTAL
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
PENSACOLA	4	4	7		8	3	11	4	7	5	8	61
PHARR		1	1								1	3
PHOENIX	8	5	1		8	3	9	9	5	4	6	58
PLANCKENDAEL									1			1
PLYMOUTH			1	1			1	1				4
POANO				1	2	6	2	5				16
POMONA	6	4	10	9	7	6	23	29	43	19	28	184
POONA	199	126	788	218	295	376	531	415	293	346	249	3836
PORTLAND	1	1			2							4
PORTSMOUTH	2	6	1	1	1	3	1	1	4	2	1	23
POTSDAM	14	6	7	8	8	6	5	3	10	6	9	82
PRAHA			3	2	1	3	1				1	11
PRESTON			1		1							2
PULLORUM	1	1							1		1	4
PUTTEN		1	4	1	1	1	8	6	5	9	3	39
QUEBEC										1		1
QUIMBAMBA							3					3
QUINIELA	1	1	1	1		2			1	1		8
RAMATGAN	1					1					1	3
RAUS		1	2	2		1	2	3		3	3	17
READING	231	397	396	430	363	257	197	131	167	81	97	2747

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1989-1999

SEROTYPE	YEAR											TOTAL			
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999				
REDLANDS			1	1				1	1						4
REGENT							2								2
REMO	1				2		1	2			1	2			9
RHODESIENSE	1	2													3
RHONE		1													1
RICHMOND	6	4	6	4	4	3	7	6	7	4	2	2			53
RIDGE												1			1
RIOGRADE	1		1	1			1				1				5
RISSEN				4	6	10	4	5	9	6	6	6			50
ROMANBY					1		5	5	4	1	6	6			22
RODEPOORT									1	2	2				5
ROSTOCK	2							1							3
ROTERBERG	2				1	1	1	2		1					8
ROTTNEST												1			1
ROVANIEMI			1												1
RUBISLAW	58	65	83	67	58	77	83	71	81	88	97	828			
RUIRU				1									1		2
RUZIZI													1		1
SAARBRUECKEN										1					1
SABOYA										1					1
SADA			1												1

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1989-1999

SEROTYPE	YEAR											TOTAL
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
SAINTPAUL	509	558	439	529	380	479	467	562	436	479	472	5310
SAKA				3								3
SAKARAH										1		1
SALINATIS	3		2	2		1	3	3			1	15
SANDIEGO	71	88	105	100	92	82	117	56	59	55	104	929
SANDOW				3	1	2						6
SANGALKAM	1		1									2
SANGERA						2	1					3
SANJUAN	2	1									2	5
SANTIAGO				2			1	1			1	5
SAO								1				1
SAPHRA	15	8	10	7	1	6	11	11	41	16	13	139
SARAJANE										1		1
SCHLEISSHEIM	5	2	3	3		1	5	9	6	8	6	48
SCHOENEBERG									1			1
SCHWARZENGRUND	137	110	108	145	169	167	162	157	144	123	155	1577
SCHWERIN								1				1
SCULCOATES										1		1
SELANDIA				1								1
SEMINOLE							1					1
SENDAI					3		1			2	1	7

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1989-1999

SEROTYPE	YEAR											TOTAL			
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999				
SENEGAL		1													1
SENFTENBERG	119	131	140	150	126	130	91	167	180	142	120				1496
SEREMBAN					2			1	1						4
SERREKUNDA										1					1
SETUBAL							1								1
SHAMBA									1						1
SHANGANI							1								1
SHARON							1								1
SHIPLEY		2													2
SHOMRON								1							1
SHUBRA		6	5	2	3	3	9	2	3	4	7				44
SIMI							2								2
SIMSBURY				1											1
SINGAPORE	10	4	5	6	4	4	4	12	3	12	4				68
SINSTORF	1	2	1	1	2	1	9	4	8	1	3				33
SKANSEN	1						1			1					3
SOAHANINA		2		1	1	1	1		1						7
SOERENGA					2	1		6	1		2				12
SOESTERBERG					1										1
SOFIA										1					1
SOMONE	1		2		1	1		5	3	1	1				15

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1989-1999

SEROTYPE	YEAR											TOTAL	
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999		
SOMBEDIOUNE						4							4
SOUTHAMPTON				1								1	2
SOUTHBANK								1					1
STACHUS								1	3			2	6
STANLEY	93	109	131	136	143	217	481	200	164	193	172	2039	
STANLEYVILLE	12	13	7	13	5	5	51	26	23	16	10	181	
STELLINGEN						1	2		3	1		7	
STENDAL							1					1	
STERRENBOS						1	1					2	
STEVENAGE		1										1	
STIKLAND						1						1	
STOCKHOLM											4	4	
STRASBOURG								1				1	
SUBERU									1	1		2	
SUBSPECIES I		1		4	2	23	26	32	22	72	81	263	
SUBSPECIES II	2	1	12	5	10	9	7	22	8	5	6	87	
SUBSPECIES III							1	3	4	1	3	12	
SUBSPECIES IIIA	9	9	2	4	5	21	20	11	7	12	16	116	
SUBSPECIES IIIA/IIIB	53	88	47	58	33	60	37	28	17	12	14	447	
SUBSPECIES IIIB	6	15	16	9	19	21	26	13	10	7	9	151	
SUBSPECIES IV		4	7	6	5	13	31	21	22	17	26	152	

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1989-1999

SEROTYPE	YEAR											TOTAL				
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999					
SUBSPECIES V						1	1									2
SUBSPECIES VI								1								2
SUELLDORF															1	1
SUNDSVALL	1	3	2	3	3	5	17	25	47	7	4					117
SUNNYCOVE				1												1
SYDNEY							1	4	1							6
TAFO														1		1
TAKORADI		1	3	2	2		1	4	5	4	4					26
TAKSONY	1		1		2			5	1							10
TALLAHASSEE	1	5	6	3	8	2	6	5	18	8	5					67
TAMALE										1						3
TAMBACOUNDA					2		3		1	1	1					8
TAMBERMA					1											1
TAMPICO														2		2
TANANARIVE							1									1
TANGER							1									1
TARSHYNE	2															2
TEDDINGTON		1	1													2
TEKO														1		1
TELAVIV							1							1		2
TELEKEBIR	6	2	1	5	5	8	4	13	12	26	15					97

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1989-1999

SEROTYPE	YEAR											TOTAL
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
TENNESSEE	295	158	113	98	133	156	112	96	31	63	29	1284
TEXAS								1				1
THIELALLEE	1											1
THIES											1	1
THOMASVILLE	1			4	1	2	1	1	2	2	4	18
THOMPSON	925	750	716	690	576	549	625	586	695	571	602	7285
TIENBA										1		1
TILENE						1	4	7	2		1	15
TOKOIN				1			3					4
TOOWONG									1			1
TOUCRA						2	3	3				8
TRACHAU				1					1			2
TRAVIS	2								1		1	4
TRURO			1									1
TSEVIE		1				1	1	1				4
TSHIONGWE	2	2	6	2	2	3	2	4				23
TUCSON	3	2		1	1	2	2	1	3		1	16
TUDU		1										1
TUINDORP		2			2		1	1	2	1		9
TYGERBERG					1		2	1				4
TYPHI	544	579	500	449	472	507	442	440	349	382	352	5016

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1989-1999

SEROTYPE	YEAR											TOTAL
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	
TYPHIMURIUM	8630	8510	8780	7720	8436	7972	9147	9002	8289	8100	7125	91711
TYPHIMURIUM VAR COPE	276	307	215	230	307	393	555	499	827	718	926	5253
TYPHISUIS	1								3			4
TYRESOE	1							1				2
UCCLE								1	4	4	1	10
UGANDA	14	11	21	23	29	19	28	63	51	44	58	361
ULLEVI									1			1
UMBILO	1											1
UNKNOWN	2365	2566	2947	2136	1649	1469	952	673	382	515	399	16053
UPHILL								1				1
UPPSALA	1						1	1		1		4
URBANA	15	18	15	26	52	63	72	60	57	46	56	480
UZARAMO	1	1		3	1	1	5			3	1	16
VALDOSTA			1									1
VANCOUVER					1	3	1					5
VEJLE	3	1	1				2		2	1	1	11
VICTORIA			1	1		3	1	3	2	1		12
VIETNAM							1					1
VILVOORDE							1	2	1			4
VIRCHOW	96	97	64	72	57	54	60	67	71	64	70	772
VIRGINIA	28	14	5		2		7	7	2		10	75

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1989-1999

SEROTYPE	YEAR											TOTAL		
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999			
VOLKSDORF					1	1		2						4
VOLKSMARSDORF	1													1
VRIDI							1							1
WA								1					1	2
WANDSWORTH	2	1	2	4	1	5	14	6	5			9		49
WANGATA	1	1	1	2	1	1	1		1	1				10
WARAL						1	1		1					3
WASHINGTON						1	2	1	3				1	8
WASSENAAR	1	3	3	11	16	19	28	18	14	6	11	130		
WAYCROSS		1	2	4	3	2		4	4	2	2	24		
WAYNE		1					2	1	1			5		
WELIKADE	1					1			1	1	1	5		
WELTEVREDEN	89	65	71	68	98	86	89	86	106	67	54	879		
WENTWORTH		1			1							2		
WERNIGERODE										3		3		
WESLACO			1			1	1			2	1	6		
WESTERSTEDE											1	1		
WESTHAMPTON	2		5		1	2	3	6	5	3	2	29		
WESTON			1									1		
WESTPHALIA						1						1		
WICHITA						1						1		

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1989-1999

SEROTYPE	YEAR											TOTAL	
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999		
WIDEMARSH		3	1					3	2			1	10
WIEN			2	3	4	3	1					1	14
WIL							1					1	2
WILLEMSTAD		1			1				1				4
WINNEBA												1	1
WIPPRA			1			2							3
WISBECH								2					2
WORTHINGTON	76	66	61	56	41	44	50	58	48	38	28		566
YARRABAH								1					1
YEERONGPILLY								1					1
YORUBA										1			1
YOVOKOME												1	1
ZAIMAN							1						1
ZANZIBAR			1		1	3	2	2	2	1	1		13
ZERIFIN		1											1
ZONGO			1										1
TOTAL	43321	42338	40443	34688	36917	37522	41222	39035	34608	33971	32782		416847