

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1988-1998

SEROTYPE	YEAR											TOTAL
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	
AARHUS	.	.	1	4	13	6	.	6	16	9	55	
ABA	.	.	1	.	.	.	.	.	.	.	1	
ABAEETETUBA	1	2	5	3	1	2	10	17	8	7	66	
ABERDEEN	6	5	2	3	3	5	1	2	3	4	39	
ABONY	5	12	3	4	2	3	6	9	2	3	55	
ABORTUSBOVIS	1	.	.	.	.	1	.	.	.	.	2	
ABORTUSEQUI	.	.	.	.	.	.	.	.	1	.	1	
ACRES	.	.	.	.	.	.	.	1	.	.	1	
ADELAIDE	76	62	64	61	96	74	110	98	88	70	72	871
AEQUATORIA	.	.	.	.	.	.	.	.	.	1	.	1
AFLAO	.	.	.	.	.	.	.	.	1	.	.	1
AFRICANA	.	.	.	.	.	.	.	.	.	.	2	2
AGAMA	.	.	1	1	1	.	4	3	2	2	2	16
AGBENI	4	.	1	2	3	1	3	5	1	3	.	23
AGEGE	.	1	.	.	.	.	.	.	1	.	.	2
AGO	.	.	.	.	.	.	.	1	.	1	1	3
AGONA	1121	925	980	1006	750	651	753	683	606	740	991	9206
AGUEVE	.	1	.	.	1	.	2	2	4	3	6	19
AHMADI	.	.	.	1	1
AHUZA	1	.	.	1
AJI0B0	1	.	.	.	2	2	5

(Continued)

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SEROTYPE	YEAR											TOTAL
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	
ALABAMA	7	2	1	.	3	.	1	1	2	2	2	21
ALACHUA	69	47	48	16	28	55	70	52	39	18	14	456
ALAGBON	.	1	.	.	.	.	.	.	.	.	.	1
ALAMO	.	.	.	.	.	2	.	1	.	.	1	4
ALBANY	47	56	42	23	24	30	29	49	26	21	23	370
ALBERT	.	.	1	.	.	.	2	1	1	.	.	5
ALBUQUERQUE	.	1	.	.	.	1	.	.	.	.	.	2
ALGER	1	.	.	.	.	.	.	.	.	.	.	1
ALLANDALE	.	.	.	.	.	.	.	.	.	.	1	1
ALTENDORF	.	.	.	1	.	.	.	.	.	.	.	1
ALTONA	.	.	.	1	.	.	1	.	1	1	.	4
AMAGER	.	1	1	1	3	2	.	6	1	8	3	26
AMERSFOORT	.	.	.	.	1	.	.	.	.	.	.	1
AMSTERDAM	7	15	4	2	3	3	4	11	2	9	5	65
ANATUM	266	228	285	232	158	194	146	174	271	208	138	2300
ANECHO	1	2	5	1	1	2	.	2	5	2	2	23
ANK	1	.	2	.	.	3
ANNEDAL	1	.	.	1
ANTONIO	.	.	1	1	2
ANTSALOVA	1	2	1	.	2	6
APAPA	2	.	2

(Continued)

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SEROTYPE	YEAR											TOTAL
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	
AQUA	.	.	1	1	1	1	.	3	2	1	.	9
ARAGUA	.	.	.	.	.	.	.	.	1	1	1	3
ARECHAVALETA	1	1	.	5	4	1	4	6	6	9	4	41
ARGENTINA	.	.	.	.	1	.	.	.	.	.	.	1
ARKANSAS	3	6	12	6	1	.	.	.	.	1	2	31
ASHANTI	.	.	.	1	.	.	.	.	.	.	.	1
ASSEN	.	1	2	.	.	.	.	.	.	.	.	3
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	1	2	.	1	1	1	1	14	5	5	73	104
BALL	.	.	1	2	.	.	3
BANANA	.	.	.	1	1	1	.	.	1	1	1	6
BANCO	2
BARDO	32	24	33	11	4	8	8	1	28	10	9	168

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SEROTYPE	YEAR											TOTAL
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	
BAREILLY	152	148	111	117	94	105	83	109	115	112	153	1299
BARRANQUILLA	.	.	.	.	.	.	.	.	1	.	.	1
BAZENHEID	1	.	.	.	.	.	.	.	.	.	.	1
BELEM	.	.	.	3	1	.	.	.	.	.	.	4
BELFAST	.	.	.	1	.	.	.	.	.	.	.	1
BENFICA	.	.	1	.	.	.	.	2	1	.	1	5
BENIN	.	.	.	.	.	.	1	.	1	.	.	2
BERE	6	.	.	3	1	1	2	1	1	8	1	24
BERGEDORF	2	.	.	.	.	.	.	.	.	.	.	2
BERKELEY	1	.	.	.	.	.	.	.	.	.	1	2
BERLIN	.	.	.	.	.	1	.	.	.	.	.	1
BERN	1	.	.	.	.	.	.	.	.	.	.	1
BERTA	497	653	487	419	333	401	399	367	118	87	123	3884
BIETRI	2	.	.	.	.	.	.	.	.	.	.	2
BINZA	3	.	2	5	1	1	2	1	.	.	1	16
BIRKENHEAD	2	.	.	.	.	.	2	.	2	7	4	17
BISPBJERG	.	.	.	.	.	.	.	.	1	1	.	2
BLEDGAM	.	1	2	5	2	6	6	.	2	4	3	31
BLIJJDRP	1	.	.	1
BLOCKLEY	476	262	147	132	86	89	76	55	51	62	61	1497
BLUKWA	1	1	.	2

(Continued)

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SEROTYPE	YEAR											TOTAL	
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998		
BOCHUM	.	.	.	.	.	.	.	.	.	.	.	.	5
BONAIRE	.	1	1	.	1	1	.	1	1	.	.	.	6
BONAMIES	.	.	2	.	.	.	.	.	.	.	.	.	2
BONARIENSIS	1	4	.	9	4	6	.	5	3	3	6	6	41
BONGOR	.	.	.	.	.	.	.	1	1	.	.	.	2
BONN	2	2	2	.	.	.	7	4	1	.	.	1	19
BORBECK	.	.	.	.	.	.	.	1	.	.	.	.	1
BORNUM	.	.	.	.	1	.	.	.	.	.	.	.	1
BOVISMORBIFICANS	46	73	40	36	26	35	40	25	41	47	64	64	473
BRADFORD	4	2	1	2	54	44	35	12	1	3	1	1	159
BRAENDERUP	636	745	758	411	477	381	426	588	531	559	497	497	6009
BRANCASTER	.	.	.	.	.	.	.	.	.	.	.	1	1
BRANDENBURG	186	195	176	161	188	257	259	284	181	167	132	132	2186
BRAZIL	.	.	.	1	.	2	.	1	1	1	.	.	6
BRAZOS	.	.	.	.	.	.	.	.	.	1	.	.	1
BRAZZAVILLE	.	.	.	1	.	.	.	.	.	.	.	.	1
BREDA	.	.	.	.	.	1	.	.	.	.	.	.	1
BRENENEY	117	99	87	75	57	49	44	57	47	51	112	112	795
BREFET	1	1
BREZANY	1	1
BRIKAMA	1	.	.	1	.	.	.	2

(Continued)

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SEROTYPE	YEAR											TOTAL			
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998				
BRISTOL	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
BRON	.	.	.	.	.	.	2	2	1	.	.	.	.	.	5
BRONX	.	.	.	.	.	.	1	.	.	.	.	2	2	.	5
BROOKLYN	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1
BROUGHTON	1	.	.	.	.	.	.	2	.	.	.	.	.	.	3
BRUNEI	.	.	1	1	.	.	.	.	.	.	.	.	.	.	2
BUDAPEST	.	.	.	.	.	1	.	1	.	.	.	.	.	.	2
BUKAVU	.	.	.	.	.	.	.	.	.	.	.	.	1	.	1
BUKURU	1	.	.	.	.	.	.	.	.	.	.	.	.	.	1
BURGAS	.	.	.	1	.	.	.	.	.	.	.	.	.	.	1
BURUNDI	.	.	.	.	.	.	.	1	.	.	.	.	.	.	1
BUTANTAN	1	.	.	.	.	.	.	.	.	.	.	.	.	.	1
BUZU	.	.	.	.	.	.	1	3	.	.	.	5	4	13	
CALABAR	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1
CALIFORNIA	2	.	1	6	2	4	2	1	1	1	9	3	31		
CAMBERWELL	.	.	.	.	.	.	.	.	.	.	.	.	1	1	
CAMBRIDGE	1	1	1	3	
CANADA	.	1	1	2	
CANASTEL	.	.	1	1	
CANNSTATT	1	1	2		
CANOGA	1	.	1	2	28	1	33	

(Continued)

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SEROTYPE	YEAR											TOTAL			
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998				
CARACAS	.	.	.	.	.	.	.	.	.	.	.	.	3	.	3
CARMEL	.	.	.	.	.	.	.	.	.	.	.	.	1	.	2
CARNO	.	.	1	.	.	.	.	.	.	.	.	.	.	.	1
CARRAU	2	1	9	6	5	9	9	12	30	6	3	92	.	.	2
CARSWELL	.	.	.	1	1	.	.	.	.	.	.	.	.	.	2
CERRO	139	117	115	102	99	57	62	74	55	60	52	932	.	.	3
CHAILEY	2	2	4	2	.	1	.	6	4	12	9	42	.	.	2
CHAMELEON	1	1	1	2	3	9	9	12	11	7	8	64	.	.	3
CHAMPAIGN	.	.	1	.	.	.	1	1	.	.	.	3	.	.	1
CHANDANS	.	.	.	.	.	.	1	.	.	.	.	1	.	.	3
CHARITY	.	.	1	1	.	1	.	.	.	.	.	3	.	.	1
CHARLOTTENBURG	.	.	.	1	.	.	.	.	1	.	.	2	.	.	3
CHESTER	42	22	369	27	30	23	21	34	26	36	24	654	.	.	2
CHICAGO	.	.	.	.	.	1	1	.	.	.	1	3	.	.	3
CHINCOL	.	.	1	1	1	2	.	.	.	.	1	6	.	.	1
CHINGOLA	.	.	.	.	.	.	.	.	.	1	.	1	.	.	2
CHITTAGONG	.	2	.	.	.	.	.	.	.	.	.	2	.	.	3
CHOLERAESUIS	57	50	39	40	35	50	53	50	41	25	23	463	.	.	2
CHOLERAESUIS VAR KUN	49	42	34	42	56	36	18	25	26	24	13	365	.	.	2
CLACKAMAS	1	.	3	.	1	.	1	1	1	3	.	11	.	.	2
CLAIBORNEI	.	.	.	1	1	2	.	.	3

(Continued)

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SEROTYPE	YEAR											TOTAL	
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998		
CLERKENWELL	.	.	1	1
COELN	4	2	3	5	1	4	2	2	7	4	5	39	
COLEYPARK	.	2	1	.	2	.	.	.	.	.	.	5
COLINDALE	2	.	1	.	.	.	5	2	7	1	4	22	
COLORADO	.	.	.	1	1	1	1	1	1	1	2	9	
CONCORD	.	1	1	1	.	.	1	4	5	2	2	17	
CORVALLIS	.	1	1	1	1	2	.	1	1	1	1	10	
COTHAM	.	.	.	.	.	.	1	.	.	.	.	1
CREMIEU	.	.	.	.	.	.	.	.	.	1	.	1
CUBANA	26	20	21	29	32	32	61	44	34	36	72	407	
CULLINGWORTH	.	.	.	.	.	.	.	.	1	.	.	1
CURACAO	2	1	.	1	.	1	1	.	.	.	.	6
DAKOTA	1	.	.	.	.	.	.	.	.	.	.	1
DAYTONA	1	2	2	3	1	5	3	3	4	6	3	33	
DECATUR	.	.	1	3	.	1	1	.	.	.	2	8	
DEGANIA	.	.	.	.	.	.	.	1	.	.	.	1
DENVER	2	6	2	4	1	9	2	5	2	3	1	37	
DERBY	340	289	268	184	199	170	144	213	143	152	171	2273	
DESSAU	.	2	2	1	.	5	
DIBRA	1	1	
DIGUEL	4	2	1	7	

(Continued)

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SEROTYPE	YEAR											TOTAL		
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998			
DJAKARTA	2	2
DJUGU	.	1	2	3	2	.	4	1	2	2	1	18		
DOBA	.	.	.	.	.	.	1	1	.	.	.	2
DOEL	.	.	.	.	.	.	.	.	2	.	.	2
DOULASSAME	.	.	.	1	.	.	.	.	.	1	1	3
DRIFIELD	1	.	.	.	.	.	.	.	.	.	.	1
DROGANA	.	.	.	.	3	.	1	3	.	.	.	7
DRYPOOL	15	8	5	7	.	4	4	8	5	7	4	67		
DUBLIN	92	121	103	106	100	90	65	81	85	61	78	982		
DUESSELDORF	8	13	14	10	6	19	12	13	6	6	15	122		
DUGBE	.	.	.	.	.	.	1	.	.	.	.	1
DUIBSBURG	.	1	1	1	1	.	.	2	.	.	.	6		
DUMFRIES	.	.	1	.	.	.	.	.	.	.	.	1
DURBAN	4	7	.	5	2	4	11	3	8	8	10	62		
DURHAM	.	2	.	5	3	1	5	6	4	2	.	28		
DUVAL	.	.	.	.	1	2	.	1	.	1	1	6
EALING	.	.	.	4	2	2	8	24	26	8	6	80		
EASTBOURNE	15	11	2	11	5	8	13	10	13	3	8	99		
EDINBURG	5	14	1	4	.	1	3	4	.	.	1	33		
EDMONTON	.	.	1	1		
EILBECK	1	.	.	.	1		

(Continued)

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SEROTYPE	YEAR											TOTAL		
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998			
EIMSBUETTEL	1	2	.	.	.	.	.	.	.	.	.	.	.	3
EKO	.	.	1	4	2	.	.	.	.	.	.	.	.	7
EKPOUI	.	.	.	1	.	1	.	.	.	.	.	.	.	2
EMEK	2	2	4	7	7	4	3	6	5	7	7	7	7	54
EMMASTAD	1	.	.	.	.	.	.	.	.	.	.	.	.	1
ENSCHEDÉ	.	.	.	.	1	.	.	.	.	.	.	.	.	1
ENTEBBE	.	.	.	.	1	.	2	.	8	4	.	.	.	15
ENTERITIDIS	7063	8466	8734	7755	6578	8071	9866	10201	9570	7924	6029	6029	6029	90257
ENUGU	.	.	.	.	.	.	.	1	1	1	.	.	.	3
EPPENDORF	.	.	1	.	.	1	1	.	.	.	.	.	.	3
ERLANGEN	.	.	.	1	.	.	.	.	.	.	.	.	.	1
ESCANABA	1	.	.	.	.	.	.	.	.	3	.	.	.	4
ESSEN	1	1	1	3	3	.	3	.	2	3	2	2	2	19
ETTERBEEK	.	.	.	.	.	.	.	.	.	1	.	.	.	1
FALKENSEE	1	.	1	1	.	.	1	2	.	1	.	.	.	7
FALLOWFIELD	.	.	.	.	.	.	.	.	.	3	.	.	.	3
FARMSEN	.	.	.	1	1	.	3	2	2	6	4	4	4	19
FAYED	1	1
FERRUCH	.	1	1
FINKENWERDER	.	.	1	1
FISCHERKLETZ	.	.	1	1	2

(Continued)

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SEROTYPE	YEAR											TOTAL
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	
FLINT	7	.	5	29	20	30	32	39	34	43	55	294
FLORIDA	1	2	3	9	.	5	3	2	7	11	8	51
FLUNTERN	.	.	.	.	.	.	.	.	1	.	3	4
FORTLAMY	.	.	.	.	.	.	.	2	.	.	.	2
FREEFALLS	.	.	.	.	.	.	.	2	.	.	.	2
FREIBURG	.	.	.	.	.	1	.	.	.	.	.	1
FREMANTLE	.	.	.	.	.	.	.	1	.	.	.	1
FRESNO	.	.	.	.	.	.	1	1	.	.	.	2
FRIEDENAU	.	.	.	.	.	.	.	.	.	1	.	1
FRINTROP	.	.	.	.	.	.	.	.	1	.	.	1
FULICA	.	.	.	.	.	.	.	.	.	1	.	1
FYRIS	3	2	3	1	.	.	.	.	2	.	1	12
GABON	.	.	.	.	.	.	.	.	.	.	1	1
GALIEMA	1	1	.	3	.	.	.	.	.	.	.	5
GALIL	.	.	.	.	.	.	.	1	.	1	.	2
GALLINARUM	.	1	1	1	.	.	.	.	2	.	1	6
GAMABA	.	.	.	.	.	.	.	.	.	.	1	1
GAMBIA	1	.	2	.	3
GAMINARA	41	43	41	50	38	37	38	45	44	47	61	485
GARBA	.	.	.	1	1	.	.	2
GAROLI	.	.	.	1	.	1	2

(Continued)

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SEROTYPE	YEAR											TOTAL	
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998		
GATESHEAD	3	3
GATOW	3	1	2	1	2	1	.	1	.	.	.	2	13
GATUNI	7	4	6	3	2	6	3	1	2	.	.	1	35
GEORGIA	.	.	2	.	.	.	1	2	.	.	.	2	7
GERA	.	.	.	1	1	2
GIVE	82	86	94	143	123	101	95	101	114	118	92	1149	
GLIDJI	.	.	.	.	.	.	.	.	1	.	.	1
GLOSTRUP	14	16	26	17	78	42	13	31	13	5	10	265	
GLOUCESTER	.	.	.	.	.	2	3	2	2	2	.	11
GODESBERG	.	.	1	.	.	1	.	1	1	.	.	4	
GOETEBORG	.	.	.	.	.	.	.	.	.	1	.	1
GOETTINGEN	1	.	1	2	2	1	.	.	.	1	1	9	
GOLDCOAST	.	.	1	.	.	.	.	1	.	1	1	4
GOMBE	.	.	1	.	.	.	.	.	.	.	.	1
GOODWOOD	.	.	1	.	.	.	.	.	.	.	.	1
GROUP 51	.	.	.	.	1	.	.	.	1	1	2	5
GROUP 52	2	.	.	2	
GROUP 53	2	1	5	3	2	13	
GROUP 54	1	.	.	.	1	
GROUP 56	3	1	.	4	
GROUP 57	1	1	

(Continued)

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SEROTYPE	YEAR											TOTAL	
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998		
GROUP 58	.	.	.	.	.	3	.	3	.	.	3	2	11
GROUP 59	.	.	.	.	.	1	.	2	.	.	1	.	4
GROUP 60	.	.	.	.	.	.	.	3	2	6	3	2	16
GROUP 61	.	.	.	.	2	9	11	17	17	6	5	5	67
GROUP 64	.	.	.	.	.	1	.	.	.	.	.	.	1
GROUP 65	.	.	.	.	.	.	1	2	2	2	6	.	11
GROUP A	3	4	13	6	1	1	7	4	3	3	1	2	45
GROUP B	624	434	495	370	475	539	563	601	582	507	532	532	5722
GROUP C1	200	151	168	112	124	110	137	108	123	103	85	85	1421
GROUP C2	150	116	99	60	107	163	201	111	108	64	51	51	1230
GROUP D1	221	211	209	155	202	280	257	182	186	116	113	113	2132
GROUP D2	.	.	1	.	1	.	.	1	3	2	1	1	9
GROUP D3	.	.	.	.	.	.	.	.	.	.	.	2	2
GROUP E1	13	18	20	13	13	7	29	20	21	13	14	14	181
GROUP E2	.	1	.	1	.	.	.	.	2	4	2	2	10
GROUP E4	1	3	2	1	2	2	3	2	3	2	3	3	24
GROUP F	1	1	.	2	7	2	8	3	5	2	2	6	37
GROUP G	52	23	17	9	7	22	34	73	42	8	17	17	304
GROUP H	10	2	1	2	1	3	2	2	4	.	2	2	29
GROUP I	2	.	1	2	3	2	12	5	6	5	44	44	82
GROUP J	2	.	1	1	.	.	.	4

(Continued)

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	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998		
GROUP K	1	.	.	2	6	1	2	3	5	2	4	26	
GROUP L	.	.	.	.	1	.	3	2	.	1	1	8
GROUP M	.	.	.	.	.	.	.	.	.	2	.	2
GROUP N	.	.	.	.	1	1	.	.	1	.	1	4
GROUP O	2	1	1	2	.	.	3	2	3	2	1	17	
GROUP P	1	.	.	1	.	11	4	4	1	4	1	27	
GROUP Q	.	.	.	.	.	.	.	1	.	1	1	3
GROUP R	.	.	.	.	4	2	1	2	3	.	3	15
GROUP S	.	.	.	.	.	3	5	5	5	5	1	24
GROUP T	.	.	.	.	.	.	.	.	1	1	.	2
GROUP U	.	.	.	.	.	2	2	3	4	1	.	12
GROUP V	1	.	.	.	2	1	6	15	26	33	9	93	
GROUP W	.	.	.	.	2	13	24	15	21	10	3	88
GROUP X	.	.	.	.	2	1	1	1	10	9	2	26
GROUP Y	.	.	.	.	6	14	14	15	15	11	4	79
GROUP Z	.	.	.	.	5	16	18	18	16	13	6	92
GRUMPENSIS	1	1	2	1	.	3	1	3	.	.	1	13	
GUARAPIRANGA	.	.	1	.	.	.	.	.	.	.	.	1
GUINEA	.	.	.	.	.	.	.	.	1	.	.	1
HAARDT	77	75	49	22	10	13	10	16	6	5	2	285	
HADAR	2442	2007	1837	1970	1532	1298	1001	812	658	643	544	14744	

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SEROTYPE	YEAR											TOTAL			
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998				
HADDON	.	.	.	.	.	.	.	1	.	.	.	1	.	.	1
HAELSINGBORG	.	.	.	.	1	1	.	.	.	.	.	.	.	.	2
HAGENBECK	.	.	.	.	2	.	.	1	1	1	.	.	.	.	5
HAIFA	4	3	8	4	2	4	2	2	3	4	3	3	3	3	39
HALMSTAD	.	.	1	.	1	.	3	.	1	.	.	.	.	.	6
HAMBURG	56	16	7	2	.	.	.	4	.	1	.	.	.	.	86
HANDEN	.	.	.	.	.	.	.	.	1	.	.	.	.	.	1
HARBURG	.	.	.	.	.	.	.	.	.	1	.	.	.	.	1
HARLEYSTREET	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1
HARRISONBURG	.	.	1	.	.	.	.	.	.	.	.	.	.	.	1
HARTFORD	58	49	56	130	71	100	90	164	89	110	175	1092			
HATFIELD	.	.	.	.	.	.	.	.	.	1	.	.	.	.	1
HATO	2	2	15	.	.	.	1	1	.	.	.	.	.	.	21
HAVANA	68	80	57	56	49	53	38	57	59	47	77	641			
HAYINDOGO	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1
HEERLEN	.	.	.	.	.	.	1	.	.	.	.	.	.	.	1
HEIDELBERG	5167	4722	3955	2972	2528	2457	1825	2095	1998	2104	1900	31723			
HEILBRON	3	1	1	5
HERON	1	1
HERSTON	1	1	2
HIDALGO	.	2	.	.	.	1	1	.	.	1	.	.	.	1	5

(Continued)

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SEROTYPE	YEAR											TOTAL	
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998		
HIDUDDIFY	.	.	4	.	.	.	1	3	8
HILLINGDON	1	.	.	.	1
HINDMARSH	.	.	3	1	1	1	.	2	1	1	3	13	
HISSAR	1	1
HOLCOMB	.	.	2	1	1	2	.	.	6
HOMOSASSA	.	.	.	.	.	.	.	.	1	.	2	3
HORSHAM	1	.	1	1	1	.	.	.	2	.	.	6	
HOUTEN	3	4	3	2	5	3	7	3	21	1	6	58	
HULL	.	.	1	.	.	1	1	3	.	.	.	6	
HVITTINGFOSS	11	10	10	11	22	20	14	15	44	26	28	211	
HYDRA	.	.	1	.	.	.	.	.	.	.	.	1
I 4,5,12:I:-	.	.	.	.	.	.	.	.	.	.	34	34
IBADAN	14	7	19	21	20	13	24	46	33	42	39	278	
IDIKAN	.	.	.	5	6	6	2	.	11	4	1	35	
II 50:B:Z6	.	.	.	.	.	.	.	.	.	.	3	3
IIIB 61:1,V:1,5,7	.	.	.	.	.	.	.	.	.	.	1	1
ILALA	.	.	.	.	.	.	.	.	.	1	.	1
ILLINOIS	.	1	.	1	.	.	.	.	1	.	.	3
ILUGUN	.	.	.	.	.	.	.	.	3	.	.	3
IMO	.	.	.	.	.	.	.	.	1	.	.	1
INCHPARK	.	.	.	.	.	.	1	.	.	.	.	1

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1988-1998

SEROTYPE	YEAR											TOTAL
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	
INDIA	.	.	1	1	1	.	.	.	1	.	.	3
INDIANA	94	78	48	36	24	18	25	24	28	11	7	393
INFANTIS	1003	908	753	580	499	568	520	521	503	651	600	7106
INGANDA	1	.	.	.	1	.	.	.	.	.	.	2
INPRAW	.	.	.	.	1	.	.	.	.	.	.	1
INVERNESS	17	25	16	15	32	20	21	37	20	26	32	261
IPSWICH	.	.	.	1	.	.	.	1	1	.	.	3
IRCHEL	.	.	.	.	.	.	.	1	.	.	.	1
IRUMU	2	6	2	1	7	39	45	31	18	13	15	179
ISANGI	2	5	1	2	.	.	.	3	1	1	5	20
ISLINGTON	.	.	.	.	.	.	1	.	.	.	.	1
ISRAEL	.	.	.	.	1	.	.	.	.	.	.	1
ISTANBUL	29	26	21	5	13	12	7	10	9	8	7	147
ITAMI	2	2	.	2	.	.	1	.	1	2	8	18
ITURI	.	.	.	.	1	5	2	4	2	1	5	20
IV 44:Z4,Z23:-	.	.	.	.	.	.	.	.	.	4	6	10
IV 45:G,Z51:-	.	.	.	.	.	.	.	.	.	.	2	2
JACKSONVILLE	.	3	.	.	.	.	.	.	.	.	.	3
JAFFNA	.	.	.	.	.	1	2	.	.	.	.	3
JAJA	.	.	.	.	.	.	.	.	.	1	.	1
JAMAICA	.	.	.	2	2	1	2	6	.	2	1	16

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1988-1998

SEROTYPE	YEAR												TOTAL
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998		
JANGWANI	1	.	.	5	2	6	3	10	7	4	5	43	
JAVA	205	193	120	148	156	176	172	268	289	184	248	2159	
JAVIANA	424	578	703	786	648	641	540	758	749	675	1167	7669	
JEDBURGH	.	.	.	.	1	.	.	.	.	1	.	2
JERICHO	.	.	1	.	.	.	.	.	.	.	.	1
JERUSALEM	1	.	1	.	1	.	.	.	.	.	.	3
JOAL	.	.	.	.	.	.	.	.	1	.	.	1
JODHPUR	.	.	.	.	.	.	.	.	.	.	1	1
JOHANNESBURG	92	61	78	108	53	63	48	74	44	44	32	697	
JUBILEE	.	.	.	.	.	.	.	.	.	1	.	1
JUKETOWN	.	.	.	.	1	.	.	.	.	.	.	1
KAAPSTAD	.	.	4	8	3	.	.	.	1	.	.	16	
KADUNA	.	.	.	.	.	1	1	.	.	.	.	2
KALAMU	.	.	.	.	1	.	.	.	.	.	.	1
KAMBOLE	.	.	.	.	.	.	.	.	.	.	1	1
KAMPALA	.	.	1	.	.	.	.	.	.	.	.	1
KANIFING	.	1	.	5	.	3	.	.	.	1	.	10	
KAOLACK	.	.	.	.	.	.	.	.	1	.	.	1
KEDOUGOU	.	.	.	1	.	.	.	4	.	.	1	6	
KENTUCKY	61	56	47	46	31	46	42	80	78	60	58	605	
KIAMBU	.	13	21	11	4	7	6	14	17	14	13	120	

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1988-1998

SEROTYPE	YEAR											TOTAL
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	
KIBI	1	.	.	.	.	.	1
KIBUSI	.	.	1	.	.	.	.	.	3	.	.	4
KILWA	11	4	2	.	1	18
KIMBERLEY	.	.	1	.	.	.	.	.	.	.	.	1
KIMUENZA	.	.	.	3	.	.	2	.	.	.	.	5
KINGABWA	1	1	1	.	.	2	.	6
KINGSTON	3	2	.	4	1	1	1	.	.	3	1	16
KINONDONI	1	.	.	.	1	1	1	4
KINSHASA	2	1	.	.	.	.	2	4	7	6	1	23
KINTAMBO	.	2	3	1	2	17	19	21	19	14	20	118
KIRKEE	1	.	1
KISANGANI	.	1	.	.	1	.	.	2	.	.	.	4
KISARAWA	1	.	.	.	2	2	5
KISII	.	.	.	1	.	.	.	.	.	.	.	1
KITENGE	1	.	.	.	1
KODJOVI	.	.	.	2	.	.	1	.	.	.	.	3
KOESSEN	1	.	.	1
KOKETIME	1	.	.	.	.	.	.	.	1	.	.	2
KOKOLI	1	1
KOKOMILEMLE	.	5	2	2	1	2	2	2	2	3	1	22
KONSTANZ	.	.	1	.	.	.	.	.	.	.	.	1

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1988-1998

SEROTYPE	YEAR											TOTAL	
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998		
KORTRIJK	.	.	1	1
KOTTBUS	23	7	18	21	42	27	22	49	9	11	2	231	
KPEME	.	.	.	.	.	1	.	.	.	.	.	1
KRALENDYK	.	.	1	4	5	5	3	10	15	4	14	61	
KREFELD	5	2	1	1	1	9	3	3	2	1	.	28	
KUA	.	.	.	.	1	1	1	2	1	1	1	8
KUILSRIVIER	.	.	2	.	.	.	.	.	.	.	.	2
KUMASI	.	.	.	.	.	.	1	.	.	.	.	1
KUNDUCHI	.	.	.	.	.	.	.	.	.	.	1	1
KURU	.	.	.	.	.	.	1	.	.	.	.	1
LABADI	.	.	.	.	1	.	1	2	.	.	1	5
LAGOS	1	3	.	.	3	1	1	2	1	1	.	13	
LAMBERHURST	.	.	.	.	.	.	.	.	.	.	1	1
LAMIN	.	.	.	.	.	.	.	.	.	.	1	1
LANDAU	.	.	.	.	.	.	.	.	.	1	.	1
LANDWASSER	.	.	.	.	.	1	.	.	.	.	1	2
LANGENSALZA	.	.	.	.	.	.	.	.	1	.	1	2
LANKA	7	8	6	.	1	1	3	.	.	.	1	27	
LANGING	1	.	1	.	.	1	.	.	.	.	.	3
LAROCHELLE	3	5	2	5	2	3	4	4	4	1	6	39	
LAWINDALE	1	.	.	.	.	1	.	.	1	.	.	3

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1988-1998

SEROTYPE	YEAR												TOTAL
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998		
LAWRA	.	.	1	.	.	.	.	.	.	.	.	.	1
LEOBEN	.	.	1	.	.	.	.	.	.	.	.	.	1
LEOPOLDVILLE	.	.	1	.	.	.	.	.	.	.	.	.	1
LEXINGTON	4	2	5	1	3	5	3	1	2	1	.	.	27
LICHTENBERG	.	.	.	.	1	.	.	.	.	.	.	.	1
LILLE	1	1	4	2	4	3	1	.	.	3	.	.	19
LIMBE	.	.	.	.	.	1	.	1	.	.	1	.	3
LIMETE	.	.	.	1	1	.	.	.	1	.	6	1	10
LINDENBURG	17	12	12	12	8	11	6	9	5	3	10	10	105
LINDI	.	.	.	.	.	.	.	.	1	.	.	.	1
LITCHFIELD	172	117	80	94	92	116	93	115	158	105	119	119	1261
LIVERPOOL	1	2	3	6	6	1	.	2	3	3	.	.	27
LIVINGSTONE	34	52	35	22	27	12	16	13	18	6	5	5	240
LOANDA	.	.	.	7	3	3	.	.	.	1	.	.	14
LOCKLEAZE	.	.	.	.	1	.	3	2	.	.	1	.	7
LOHBRUEGGE	.	1	.	.	.	.	.	2	4	.	.	.	7
LOMALINDA	8	8	5	6	10	14	15	15	24	12	16	16	133
LOME	.	.	.	.	.	1	2	.	2	2	.	.	7
LOMITA	2	5	5	3	1	5	1	2	5	3	3	3	35
LOMNAVA	.	.	.	2	.	.	.	.	.	.	.	.	2
LONDON	60	52	40	19	21	14	15	36	23	33	28	28	341

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1988-1998

SEROTYPE	YEAR											TOTAL	
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998		
LOSANGELES	1	.	.	.	1
LOVELACE	1	.	.	.	.	.	1
LUCIANA	.	.	4	2	1	.	4	.	1	3	3	3	18
LUKE	2	.	.	.	.	.	2
MAARSEN	1	.	.	.	.	.	.	1
MADELIA	5	5	12	8	10	3	5	8	21	7	12	12	96
MAGWA	1	1	1	2
MAIDUGURI	1	.	.	1
MAKUMIRA	1	.	.	.	.	.	1
MALSTATT	.	1	.	.	.	.	.	.	2	.	.	.	3
MAMPEZA	1	.	.	.	1
MANCHESTER	.	2	1	.	.	.	.	.	.	.	.	.	3
MANGO	.	.	.	1	.	.	.	.	.	.	.	.	1
MANHATTAN	106	69	50	36	49	130	92	72	101	99	73	877	
MANILA	.	1	1	.	.	.	1	.	.	.	.	.	3
MAPO	1	1	.	1	.	.	.	.	3
MARACAIBO	1	2	.	.	.	.	.	.	.	.	.	.	3
MARICOPA	1	.	.	.	.	.	.	.	1
MARINA	3	2	5	10	17	30	53	75	81	36	47	359	
MARYLAND	1	1	1	2
MATADI	.	.	1	2	.	6	20	10	27	9	4	79	

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1988-1998

SEROTYPE	YEAR											TOTAL		
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998			
MATOPENI	2
MBANDAKA	262	190	135	206	130	167	118	154	223	189	147	1921		
MELEAGRIDIS	10	6	18	25	8	15	12	30	207	43	39	413		
MEMPHIS	.	.	.	1	.	2	.	.	1	1	.	5		
MENDEN	.	.	1	.	.	.	.	.	.	.	.	1
MENDOZA	1	.	.	1	1	.	1	.	.	1	3	8		
MENHADEN	8	2	4	1	5	.	2	5	14	1	.	42		
MENSTON	.	.	.	2	2	.	.	.	.	1	.	5
MGULANI	.	.	.	.	.	.	.	.	2	.	.	2
MIAMI	21	41	28	115	70	98	126	74	52	76	99	800		
MICHIGAN	.	1	1	1	.	.	3	8	1	.	2	17		
MIDWAY	.	.	.	1	1	.	.	.	.	.	.	2
MIKAWASIMA	2	5	8	2	7	2	1	7	.	2	.	36		
MINNEAPOLIS	5	18	6	7	4	1	.	.	1	.	.	42		
MINNESOTA	13	12	22	21	19	28	13	36	28	26	17	235		
MISSION	2	.	.	.	.	.	1	.	.	.	.	3
MISSISSIPPI	114	136	175	170	137	156	152	199	180	205	314	1938		
MOERO	.	.	.	.	.	.	.	2	.	.	.	2
MOLADE	5	.	1	1	1	1	1	.	.	1	1	12		
MONO	.	.	.	.	.	.	1	1	.	.	2	4
MONS	.	.	2	1	.	.	.	.	2	.	.	5

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1988-1998

SEROTYPE	YEAR											TOTAL
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	
MONSCHAUI	3	5	6	2	9	8	9	11	10	3	75	
MONTEVIDEO	788	794	928	868	559	789	631	685	1227	718	828	8815
MOREHEAD	.	.	.	.	1	1	1	2	.	.	.	5
MOROTAI	.	.	1	.	.	.	.	.	.	.	.	1
MOSCOW	.	.	2	1	15	.	.	.	1	.	4	23
MOUNTPLEASANT	.	.	.	.	.	.	1	.	.	1	1	3
MOWANJUM	.	.	.	.	.	.	1	.	2	.	.	3
MPOUTO	.	.	.	.	.	.	1	.	.	1	.	2
MUENCHEN	511	451	464	506	449	657	559	754	595	543	639	6128
MUENSTER	65	51	86	68	47	69	100	87	96	73	68	810
MUNDSBURG	.	.	.	1	.	.	.	.	.	.	.	1
NACHSHONIM	.	.	.	.	.	.	.	.	1	.	.	1
NAGOYA	.	.	.	.	.	.	1	.	.	1	.	2
NAMIBIA	.	.	1	.	.	.	.	.	1	.	.	2
NAPOLI	.	.	.	1	.	.	.	.	1	.	.	2
NARASHINO	.	.	.	.	.	1	.	1	1	1	.	4
NCHANGA	1	.	.	.	.	.	.	.	.	.	1	2
NDOLO	.	.	.	.	.	1	.	.	.	.	.	1
NEGEV	.	.	.	.	.	.	1	1	.	.	.	2
NESSZIONA	.	.	.	.	.	.	.	.	.	4	.	4
NEUDORF	.	.	.	.	.	1	.	.	.	.	.	1

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1988-1998

SEROTYPE	YEAR											TOTAL
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	
NEWBRUNSWICK	11	17	22	8	8	5	3	20	22	26	36	178
NEWHAW	2	2	.	.	.	.	.	4	1	1	1	11
NEWINGTON	12	21	14	26	25	15	13	17	16	20	25	204
NEWLANDS	.	.	.	.	.	.	.	.	1	.	.	1
NEWMEXICO	.	2	1	.	1	3	2	.	.	1	.	10
NEWPORT	2901	2111	1802	1818	1481	1487	1673	2566	1985	1584	2272	21680
NEWROCHELLE	.	.	.	.	.	.	.	2	1	1	1	5
NEWYORK	.	.	.	.	.	.	.	.	3	4	.	7
NGILI	.	.	.	.	.	.	1	.	.	.	.	1
NIAKHAR	.	.	.	.	1	.	.	.	.	.	.	1
NIENSTEDTEN	1	1	.	3	.	1	2	.	.	.	.	8
NIGERIA	1	.	.	.	.	.	.	.	1	.	.	2
NIMA	.	.	1	.	.	.	1	1	4	1	5	13
NITRA	.	1	.	.	.	.	.	.	3	.	.	4
NOLA	.	.	.	.	.	.	.	.	1	1	.	2
NOORDHOEK	.	.	.	.	.	.	.	1	.	.	.	1
NORWICH	49	49	58	32	41	59	98	51	52	56	67	612
NOTTINGHAM	.	.	.	2	1	1	3	3	3	5	2	20
OAKLAND	1	2	3	2	2	3	4	1	4	.	.	22
OCHIIGU	.	.	.	.	.	1	.	.	.	.	.	1
OCHSENZOLL	.	.	.	.	.	.	1	.	.	2	.	3

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1988-1998

SEROTYPE	YEAR											TOTAL		
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998			
OERLIKON	1	1
OFFA	2	1	3
OHIO	281	153	166	132	161	132	101	105	67	100	79	1477		
OKATIE	.	.	.	.	.	1	.	1	1	.	.	3
OLDENBURG	1	.	.	.	.	1	.	.	.	.	1	3
ONARIMON	1	.	.	.	.	.	.	.	.	.	.	1
ONDERSTEPOORT	2	1	.	.	.	.	.	1	2	.	.	6
ONIREKE	.	.	1	.	.	.	1	1	.	.	.	3		
ONTARIO	.	.	.	.	.	2	.	.	.	.	.	2
ORANIENBURG	632	572	501	655	597	522	602	595	690	623	693	6682		
ORDONEZ	1	.	.	.	.	.	.	.	.	.	.	1
ORIENTALIS	.	.	.	.	.	.	.	2	6	.	1	9
ORION	2	5	1	.	4	3	1	1	6	3	1	27		
ORITAMERIN	1	.	1	3	1	.	.	.	.	.	.	6
OSLO	24	8	16	11	14	19	14	13	31	25	31	206		
OTHMARSCHEN	1	4	.	6	.	.	4	2	6	6	7	36		
OUAKAM	.	1	.	.	2	7	2	4	.	.	.	16		
ODWIJK	.	.	.	.	.	.	.	.	.	.	1	1
OVERSCHIE	.	.	.	.	.	1	.	3	4	3	3	14
OYONNAX	.	.	.	1	.	.	.	.	.	.	.	1
PAKISTAN	4	5	1	2	.	1	.	.	2	4	.	19		

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1988-1998

SEROTYPE	YEAR											TOTAL
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	
PANAMA	264	266	304	236	185	173	163	173	148	144	119	2175
PAPUANA	.	.	.	.	1	.	.	1	.	1	.	3
PARATYPHI A	86	69	69	76	80	53	79	86	86	72	85	841
PARATYPHI B	126	114	89	101	110	208	228	241	298	159	189	1863
PARATYPHI C	2	5	2	1	2	1	2	2	1	1	.	19
PARERA	1	.	.	.	2	2	4	7	7	2	4	29
PARIS	.	.	1	.	.	.	.	.	.	.	.	1
PATIENCE	.	.	.	.	.	.	.	.	1	.	.	1
PENSACOLA	6	4	4	7	.	8	3	11	4	7	5	59
PHARR	.	.	1	1	.	.	.	.	.	.	.	2
PHOENIX	1	8	5	1	.	8	3	9	9	5	4	53
PLANCKENDAEL	.	.	.	.	.	.	.	.	.	1	.	1
PLYMOUTH	.	.	.	1	1	.	.	1	1	.	.	4
POANO	.	.	.	.	1	2	6	2	5	.	.	16
POMONA	2	6	4	10	9	7	6	23	29	43	19	158
POONA	124	199	126	788	218	295	376	531	415	293	346	3711
PORTLAND	1	1	1	.	.	2	.	.	.	.	.	5
PORTSMOUTH	.	2	6	1	1	1	3	1	1	4	2	22
POTSDAM	10	14	6	7	8	8	6	5	3	10	6	83
PRAHA	1	.	.	3	2	1	3	1	.	.	.	11
PRESTON	.	.	.	1	.	1	.	.	.	.	.	2

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1988-1998

SEROTYPE	YEAR											TOTAL			
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998				
PULLORUM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4
PUTTEN	1	1	1	4	1	1	1	8	6	5	9	37			
QUEBEC	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
QUIMBAMBA	1	1	1	1	1	1	1	3	1	1	1	1	1	1	3
QUINIOLA	1	1	1	1	1	1	2	1	1	1	1	1	1	1	8
RAMATGAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
RAUS	1	1	1	2	2	1	1	2	3	1	3	14			
READING	128	231	397	396	430	363	257	197	131	167	81	2778			
REDLANDS	1	1	1	1	1	1	1	1	1	1	1	4			
REGENT	1	1	1	1	1	1	1	2	1	1	1	2			
REMO	3	1	1	1	1	2	1	1	2	1	1	10			
RHODESIENSE	1	1	2	1	1	1	1	1	1	1	1	3			
RHONE	1	1	1	1	1	1	1	1	1	1	1	1			
RICHMOND	1	6	4	6	4	4	3	7	6	7	4	52			
RIED	1	1	1	1	1	1	1	1	1	1	1	1			
RIOGRANDE	1	1	1	1	1	1	1	1	1	1	1	5			
RISSEN	3	1	1	1	4	6	10	4	5	9	6	47			
ROMANBY	1	1	1	1	1	1	1	5	5	4	1	16			
ROODEPOORT	1	1	1	1	1	1	1	1	1	1	2	3			
ROSTOCK	1	2	1	1	1	1	1	1	1	1	1	3			
ROTERBERG	1	2	1	1	1	1	1	1	2	1	1	8			

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1988-1998

SEROTYPE	YEAR											TOTAL	
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998		
ROVANIEMI	.	.	1	1
RUBISLAW	50	58	65	83	67	58	77	83	71	81	88	781	
RUIRU	1	.	.	.	1	.	.	.	.	.	.	2
SAARBRUECKEN	.	.	.	.	.	.	.	.	.	.	1	1
SABOYA	.	.	.	.	.	.	.	.	.	.	1	1
SADA	.	.	.	1	.	.	.	.	.	.	.	1
SAINTPAUL	650	509	558	439	529	380	479	467	562	436	479	5488	
SAKA	.	.	.	.	3	.	.	.	.	.	.	3
SAKARAH	.	.	.	.	.	.	.	.	.	.	1	1
SALINATIS	3	3	.	2	2	.	1	3	3	.	.	17	
SANDIEGO	95	71	88	105	100	92	82	117	56	59	55	920	
SANDOW	.	.	.	.	3	1	2	.	.	.	.	6
SANGAL KAM	.	1	.	1	.	.	.	.	.	.	.	2
SANGERA	.	.	.	.	.	.	2	1	.	.	.	3
SANJUAN	.	2	1	.	.	.	.	.	.	.	.	3
SANTIAGO	.	.	.	.	2	.	.	1	1	.	.	4
SAO	.	.	.	.	.	.	.	.	1	.	.	1
SAPHRA	8	15	8	10	7	1	6	11	11	41	16	134	
SARAJANE	.	.	.	.	.	.	.	.	.	.	1	1
SCHLEISSHEIM	1	5	2	3	3	.	1	5	9	6	8	43	
SCHOENEBERG	.	.	.	.	.	.	.	.	.	1	.	1

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1988-1998

SEROTYPE	YEAR											TOTAL
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	
SCHWARZENGRUND	136	137	110	108	145	169	167	162	157	144	123	1558
SCHWERIN	.	.	.	.	.	.	.	.	1	.	.	1
SCULCOATES	.	.	.	.	.	.	.	.	.	.	1	1
SELANDIA	1	.	.	.	1	.	.	.	.	.	.	2
SEMINOLE	.	.	.	.	.	.	.	1	.	.	.	1
SENDAI	.	.	.	.	.	3	.	1	.	.	2	6
SENEGAL	.	.	1	.	.	.	.	.	.	.	.	1
SENFENBERG	154	119	131	140	150	126	130	91	167	180	142	1530
SEREMBAN	1	.	.	.	.	2	.	.	1	1	.	5
SERREKUNDA	.	.	.	.	.	.	.	.	.	.	1	1
SETUBAL	.	.	.	.	.	.	.	.	1	.	.	1
SHAMBA	.	.	.	.	.	.	.	.	.	1	.	1
SHANGANI	.	.	.	.	.	.	.	.	1	.	.	1
SHARON	.	.	.	.	.	.	.	1	.	.	.	1
SHIPLEY	.	.	2	.	.	.	.	.	.	.	.	2
SHOMRON	.	.	.	.	.	.	.	.	1	.	.	1
SHUBRA	1	.	6	5	2	3	3	9	2	3	4	38
SIEGBURG	2	.	.	.	.	.	.	.	.	.	.	2
SIMI	.	.	.	.	.	.	.	2	.	.	.	2
SIMSBURY	.	.	.	.	.	1	.	.	.	.	.	1
SINGAPORE	18	10	4	5	6	4	4	4	12	3	12	82

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1988-1998

SEROTYPE	YEAR											TOTAL
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	
SINSTORF	1	1	2	1	1	2	1	9	4	8	1	31
SKANSEN	.	1	.	.	.	.	.	1	.	.	1	3
SOAHANINA	.	.	2	.	1	1	1	1	.	1	.	7
SOERENGA	.	.	.	.	.	2	1	.	6	1	.	10
SOESTERBERG	1	.	.	.	.	1	.	.	.	.	.	2
SOFIA	.	.	.	.	.	.	.	.	.	.	1	1
SOMONE	.	1	.	2	.	1	1	.	5	3	1	14
SOUNBEDIOUNE	.	.	.	.	.	.	4	.	.	.	.	4
SOUTHAMPTON	1	.	.	.	1	.	.	.	.	.	.	2
SOUTHBANK	.	.	.	.	.	.	.	.	1	.	.	1
STACHUS	.	.	.	.	.	.	.	.	1	3	.	4
STANLEY	58	93	109	131	136	143	217	481	200	164	193	1925
STANLEYVILLE	13	12	13	7	13	5	5	51	26	23	16	184
STELLINGEN	.	.	.	.	.	.	1	2	.	3	1	7
STENDAL	.	.	.	.	.	.	.	1	.	.	.	1
STERRENBOS	.	.	.	.	.	.	1	1	.	.	.	2
STEVENAGE	.	.	1	.	.	.	.	.	.	.	.	1
STIKLAND	.	.	.	.	.	.	1	.	.	.	.	1
STRASBOURG	.	.	.	.	.	.	.	.	1	.	.	1
SUBERU	.	.	.	.	.	.	.	.	.	1	1	2
SUBSPECIES I	.	.	1	.	4	2	23	26	32	22	72	182

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1988-1998

SEROTYPE	YEAR											TOTAL
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	
SUBSPECIES II	.	2	1	12	5	10	9	7	22	8	5	81
SUBSPECIES III	.	.	.	.	.	.	.	1	3	4	1	9
SUBSPECIES IIIA	11	9	9	2	4	5	21	20	11	7	12	111
SUBSPECIES IIIA/IIIB	71	53	88	47	58	33	60	37	28	17	12	504
SUBSPECIES IIIB	12	6	15	16	9	19	21	26	13	10	7	154
SUBSPECIES IV	.	.	4	7	6	5	13	31	21	22	17	126
SUBSPECIES V	.	.	.	.	.	.	1	1	.	.	.	2
SUBSPECIES VI	.	.	.	.	.	.	.	1	1	.	.	2
SUNDSVALL	3	1	3	2	3	3	5	17	25	47	7	116
SUNNYCOVE	.	.	.	.	1	.	.	.	.	.	.	1
SYDNEY	.	.	.	.	.	.	.	1	4	1	.	6
TAKORADI	2	.	1	3	2	2	.	1	4	5	4	24
TAKSONY	.	1	.	1	.	2	.	.	5	1	.	10
TALLAHASSEE	4	1	5	6	3	8	2	6	5	18	8	66
TAMALE	.	.	.	.	.	.	1	.	2	.	.	3
TAMBACOUNDA	.	.	.	.	.	2	.	3	.	1	1	7
TAMBERMA	.	.	.	.	.	1	.	.	.	.	.	1
TANANARIVE	.	.	.	.	.	.	.	1	.	.	.	1
TANGER	.	.	.	.	.	.	.	1	.	.	.	1
TARSHYNE	.	2	.	.	.	.	.	.	.	.	.	2
TEDDINGTON	.	.	1	1	.	.	.	.	.	.	.	2

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1988-1998

SEROTYPE	YEAR											TOTAL		
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998			
TEKO	.	.	.	.	.	.	.	.	.	.	.	.	1	1
TELAVIV	.	.	.	.	.	.	.	1	.	.	.	.	1	2
TELELKEBIR	1	6	2	1	5	5	8	4	13	12	26	83		
TENNESSEE	236	295	158	113	98	133	156	112	96	31	63	1491		
TEXAS	1	.	.	.	.	.	.	.	1	.	.	2		
THIELALLEE	.	1	.	.	.	.	.	.	.	.	.	1		
THOMASVILLE	2	1	.	.	4	1	2	1	1	2	2	16		
THOMPSON	952	925	750	716	690	576	549	625	586	695	571	7635		
TIENBA	.	.	.	.	.	.	.	.	.	.	.	1	1	
TILENE	.	.	.	.	.	.	1	4	7	2	.	14		
TOKOIN	.	.	.	.	1	.	.	3	.	.	.	4		
TOOWONG	.	.	.	.	.	.	.	.	.	1	.	1	1	
TOUCRA	.	.	.	.	.	.	2	3	3	.	.	8		
TRACHAU	.	.	.	.	1	.	.	.	.	1	.	2		
TRAVIS	.	2	.	.	.	.	.	.	.	1	.	3		
TRURO	.	.	.	1	.	.	.	.	.	.	.	1		
TSEVIE	1	.	1	.	.	.	1	1	1	.	.	5		
TSHIONGWE	1	2	2	6	2	2	3	2	4	.	.	24		
TUCSON	.	3	2	.	1	1	2	2	1	3	.	15		
TUDU	.	.	1	.	.	.	.	.	.	.	.	1		
TUINDORP	1	.	2	.	.	2	.	1	1	2	1	10		

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1988-1998

SEROTYPE	YEAR											TOTAL	
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998		
TYGERBERG	1	.	2	1	.	.	.	4
TYPHI	496	544	579	500	449	472	507	442	440	349	382	5160	
TYPHIMURIUM	9716	8630	8510	8780	7720	8436	7972	9147	9002	8289	8100	94302	
TYPHIMURIUM VAR COPE	183	276	307	215	230	307	393	555	499	827	718	4510	
TYPHISUIS	.	1	.	.	.	.	.	.	.	3	.	4
TYRESOE	.	1	.	.	.	.	.	.	1	.	.	2
UCCLE	.	.	.	.	.	.	.	.	1	4	4	9
UGANDA	21	14	11	21	23	29	19	28	63	51	44	324	
UGHELL I	1	.	.	.	.	.	.	.	.	.	.	1
ULLEVI	.	.	.	.	.	.	.	.	.	1	.	1
UMBILLO	1	1	.	.	.	.	.	.	.	.	.	2
UNKNOWN	2246	2365	2566	2947	2136	1649	1469	952	673	382	515	17900	
UPHILL	.	.	.	.	.	.	.	.	1	.	.	1
UPPSALA	2	1	.	.	.	.	.	1	1	.	1	6
URBANA	26	15	18	15	26	52	63	72	60	57	46	450	
UZARAMO	.	1	1	.	3	1	1	5	.	.	3	15	
VALDOSTA	.	.	.	1	.	.	.	.	.	.	.	1
VANCOUVER	.	.	.	.	.	1	3	1	.	.	.	5
VEJLE	.	3	1	1	.	.	.	2	.	2	1	10	
VICTORIA	.	.	.	1	1	.	3	1	3	2	1	12	
VIETNAM	.	.	.	.	.	.	.	1	.	.	.	1

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1988-1998

SEROTYPE	YEAR											TOTAL
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	
VILVOORDE	.	.	.	.	.	.	.	1	2	1	.	4
VIRCHOW	93	96	97	64	72	57	54	60	67	71	64	795
VIRGINIA	20	28	14	5	.	2	.	7	7	2	.	85
VOLKSDORF	.	.	.	.	.	1	1	.	2	.	.	4
VOLKSMARSDORF	.	1	.	.	.	.	.	.	.	.	.	1
VRIDI	.	.	.	.	.	.	.	1	.	.	.	1
WA	.	.	.	.	.	.	.	.	1	.	.	1
WANDSWORTH	4	2	1	2	4	1	5	14	6	5	.	44
WANGATA	.	1	1	1	2	1	1	1	.	1	1	10
WARAL	.	.	.	.	.	.	1	1	.	1	.	3
WASHINGTON	.	.	.	.	.	.	1	2	1	3	.	7
WASSENAAR	2	1	3	3	11	16	19	28	18	14	6	121
WAYCROSS	1	.	1	2	4	3	2	.	4	4	2	23
WAYNE	.	.	1	.	.	.	.	2	1	1	.	5
WELIKADE	.	1	.	.	.	.	1	.	.	1	1	4
WELTEVREDEN	98	89	65	71	68	98	86	89	86	106	67	923
WENTWORTH	.	.	1	.	.	1	.	.	.	.	.	2
WERNIGERODE	1	.	.	.	.	.	.	.	.	.	3	4
WESLACO	2	.	.	1	.	.	1	1	.	.	2	7
WESTHAMPTON	1	2	.	5	.	1	2	3	6	5	3	28
WESTON	.	.	.	1	.	.	.	.	.	.	.	1

(Continued)

TABLE 3
SALMONELLA ISOLATIONS FROM HUMAN SOURCES
BY SEROTYPE AND YEAR, 1988-1998

SEROTYPE	YEAR											TOTAL
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	
WESTPHALIA	.	.	.	.	.	.	1	.	.	.	.	1
WICHITA	.	.	.	.	.	.	1	.	.	.	.	1
WIDEMARSH	2	.	3	1	.	.	.	.	3	2	.	11
WIEN	.	.	.	2	3	4	3	1	.	.	.	13
WIL	.	.	.	.	.	.	.	.	1	.	.	1
WILLEMSTAD	.	.	1	.	.	1	.	1	.	1	.	4
WIPPRA	.	.	.	1	.	.	2	.	.	.	.	3
WISBECH	.	.	.	.	.	.	.	.	2	.	.	2
WORTHINGTON	80	76	66	61	56	41	44	50	58	48	38	618
YABA	1	.	.	.	.	.	.	.	.	.	.	1
YARRABAH	.	.	.	.	.	.	.	.	1	.	.	1
YEERONGPILLY	.	.	.	.	.	.	.	.	1	.	.	1
YORUBA	.	.	.	.	.	.	.	.	.	.	1	1
YOYOKOME	1	.	.	.	.	.	.	.	.	.	.	1
ZAIMAN	.	.	.	.	.	.	.	1	.	.	.	1
ZANZIBAR	1	.	.	1	.	1	3	2	2	2	1	13
ZERIFIN	.	.	1	.	.	.	.	.	.	.	.	1
ZONGO	.	.	.	1	.	.	.	.	.	.	.	1
TOTAL	45410	43321	42338	40443	34688	36917	37522	41222	39035	34608	33971	429475