



**Wisconsin Veterinary
Diagnostic Laboratory**
UNIVERSITY OF WISCONSIN-MADISON

**All *Salmonella enterica* subspecies *enterica* serotypes/serogroups
identified in 2023**

2023 <i>Salmonella</i> Serotypes Isolated	All Species	Bovine	Avian	Equine	Other ¹
Group B*	84	26	55	0	3
<i>SALMONELLA</i> AGONA	33	1	23	7	2
<i>SALMONELLA</i> SCHWARZENGRUND	30	0	29	0	1
<i>SALMONELLA</i> TYPHIMURIUM	40	23	7	4	6
<i>SALMONELLA</i> HEIDELBERG	0	0	0	0	0
<i>SALMONELLA</i> BRANDENBURG	4	4	0	0	0
<i>SALMONELLA</i> SAINTPAUL	0	0	0	0	0
<i>SALMONELLA</i> READING	0	0	0	0	0
<i>SALMONELLA</i> KIAMBU	1	0	0	0	1
<i>SALMONELLA</i> DERBY	2	0	2	0	0
<i>SALMONELLA</i> MONOPHASIC TYPHIMURIUM ²	21	14	2	1	4
NON-MOTILE <i>SALMONELLA</i>	0	0	0	0	0
Total	131	42	63	12	14
Group C1*	47	38	9	0	0
<i>SALMONELLA</i> INFANTIS	6	5	1	0	0
<i>SALMONELLA</i> BRAENDERUP	2	2	0	0	0
<i>SALMONELLA</i> OTHMARSCHEN	3	3	0	0	0
<i>SALMONELLA</i> MONTEVIDEO	118	110	1	1	6
<i>SALMONELLA</i> THOMPSON	0	0	0	0	0
<i>SALMONELLA</i> HARTFORD	1	0	0	1	0
<i>SALMONELLA</i> MBANDAKA	9	4	5	0	0
<i>SALMONELLA</i> LIVINGSTONE	1	1	0	0	0
<i>SALMONELLA</i> NORWICH	0	0	0	0	0
<i>SALMONELLA</i> ORANIENBURG	1	1	0	0	0
<i>SALMONELLA</i> BAREILLY	0	0	0	0	0
<i>SALMONELLA</i> LUBBOCK	0	0	0	0	0
Total	141	126	7	2	6

www.wvdl.wisc.edu

Madison Laboratory
445 Easterday Lane Madison, WI 53706

Barron Laboratory
1521 E. Guy Avenue P.O. Box 97 Barron, WI 54812



**Wisconsin Veterinary
Diagnostic Laboratory**
UNIVERSITY OF WISCONSIN-MADISON

Group C2-C3*	271	19	250	0	2
SALMONELLA KENTUCKY	288	10	278	0	0
SALMONELLA LITCHFIELD	2	0	0	2	0
SALMONELLA NEWPORT	15	10	1	1	3
SALMONELLA MUENCHEN	10	5	4	1	0
SALMONELLA HADAR	0	0	0	0	0
SALMONELLA BARDO	0	0	0	0	0
SALMONELLA BOVISMORBIFICANS	4	3	1	0	0
SALMONELLA HIDALGO	0	0	0	0	0
SALMONELLA ALTONA	1	0	0	0	1
SALMONELLA MONOPHASIC ³	0	0	0	0	0
Total	320	28	284	4	4
Group D*	181	179	1	0	1
SALMONELLA PANAMA	9	9	0	0	0
SALMONELLA DUBLIN	132	129	0	0	3
SALMONELLA ENTERITIDIS	187	0	181	0	6
SALMONELLA OUAKAM	1	0	1	0	0
SALMONELLA JAVIANA	1	0	0	1	0
SALMONELLA PANAMA/HOUSTON ⁴	0	0	0	0	0
NON-MOTILE SALMONELLA	1	1	0	0	0
Total	331	139	182	1	9
Group E*	48	19	23	0	6
SALMONELLA MELEAGRIDIS	11	11	0	0	0
SALMONELLA MUENSTER	7	6	0	0	1
SALMONELLA SENFTENBERG	19	7	12	0	0
SALMONELLA UGANDA	10	5	1	0	4
SALMONELLA GIVE	16	13	0	0	3
SALMONELLA ANATUM	17	15	0	0	2
SALMONELLA ORION	0	0	0	0	0
SALMONELLA KOUKA	0	0	0	0	0
SALMONELLA CANNSTATT	1	1	0	0	0
SALMONELLA LIVERPOOL	14	1	13	0	0
SALMONELLA LONDON	3	2	0	0	1
SALMONELLA SCHOENEBERG	0	0	0	0	0
SALMONELLA KOUKA/CANNSTATT ⁴	0	0	0	0	0

www.wvdl.wisc.edu

Madison Laboratory
445 Easterday Lane Madison, WI 53706

Barron Laboratory
1521 E. Guy Avenue P.O. Box 97 Barron, WI 54812



**Wisconsin Veterinary
Diagnostic Laboratory**
UNIVERSITY OF WISCONSIN-MADISON

SALMONELLA AMSTERDAM	1	0	1	0	0
SALMONELLA MONOPHASIC	0	0	0	0	0
SALMONELLA NON-MOTILE	1	1	0	0	0
Total	100	62	27	0	11
Group F	0	0	0	0	0
SALMONELLA KISARAWA	1	0	0	0	1
SALMONELLA RUBISLAW	1	0	0	1	0
Total	2	0	0	1	1
Group G*	7	0	7	0	0
SALMONELLA AGBENI	4	4	0	0	0
SALMONELLA CUBANA	0	0	0	0	0
SALMONELLA HAVANA	4	0	4	0	0
SALMONELLA WORTHINGTON	3	0	3	0	0
SALMONELLA IDIKAN	6	2	3	0	1
SALMONELLA MISSISSIPPI	1	0	0	1	0
Total	18	6	10	1	1
Group H*	1	1	0	0	0
	0	0	0	0	0
Total	0	0	0	0	0
Group I*	2	1	0	0	1
SALMONELLA BARRANQILLA	0	0	0	0	0
Total	0	0	0	0	0
Group K*	83	78	1	0	4
SALMONELLA CERRO	155	148	1	0	6
SALMONELLA FLUENTERN	1	0	0	0	1
Total	156	148	1	0	7
Group L*	6	6	0	0	0
SALMONELLA RUIRU	2	2	0	0	0
SALMONELLA MINNESOTA	9	9	0	0	0
Total	11	11	0	0	0
Group M	0	0	0	0	0
SALMONELLA NIMA	1	0	0	0	1
SALMONELLA POMONA	0	0	0	0	0
SALMONELLA NON-MOTILE	1	1	0	0	0
Total	2	1	0	0	1

www.wvdl.wisc.edu

Madison Laboratory
445 Easterday Lane Madison, WI 53706

Barron Laboratory
1521 E. Guy Avenue P.O. Box 97 Barron, WI 54812



**Wisconsin Veterinary
Diagnostic Laboratory**
UNIVERSITY OF WISCONSIN-MADISON

Group N	0	0	0	0	0
SALMONELLA SOERENGA	1	0	1	0	0
Total	1	0	1	0	0
Group O*	13	0	12	0	1
SALMONELLA ADELAIDE	0	0	0	0	0
SALMONELLA ALACHUA	19	0	19	0	0
Total	19	0	19	0	0
Group R	0	0	0	0	0
SALMONELLA JOHANNESBURG	0	0	0	0	0
Total	0	0	0	0	0
Group U	1	0	0	0	1
	0	0	0	0	0
Total	0	0	0	0	0
Group O:61	2	0	0	0	2
IIIb : O : 61 : k : 1 , 5 (antigenic equation)	4	0	0	0	4
Total	4	0	0	0	4
Untyped/Ungrouped	5	1	1	0	3
TOTAL SEROTYPE FOR ALL GROUPS	1241	564	595	21	61

*Refers to *Salmonella* that was grouped but not serotyped.

¹Other Includes Canine, Porcine, Caprine, Cervidae, Ovine, and Serpentes, unspecified. (raccoon)

² *Salmonella* 4,[5],12:i:- is believed to be the monophasic variant of *Salmonella* ser. Typhimurium. Monophasic *Salmonella* ser. Typhimurium cannot be confirmed at the WVDL due to a lack of sera needed to perform confirmation.

³ *Salmonella* 8:-:z6 most likely Kentucky

⁴ Unable to differentiate at WVDL due to lack of sera needed to perform confirmation.

www.wvdl.wisc.edu

Madison Laboratory
445 Easterday Lane Madison, WI 53706

Barron Laboratory
1521 E. Guy Avenue P.O. Box 97 Barron, WI 54812