FLAG

ANALYST WORKSHEET	1. PRODUCT Bacterial culture(s) from Dog Food	2. SAMPLE NUMBER 915750
3. SEALS ✓INTACT ___ NONE __ BROKEN	4.DATE REC'D 7/31/15	5. RECEIVED FROM William K. Wilkes Sample Room Custodian
		6. DISTRICT OR LABORATORY Arkansas Regional Lab

7. DESCRIPTION OF SAMPLE

One cardboard isolate shipping carton containing one plastic isolate shipping canister. Canister contained one whirl-pak bag FDA sealed "915750 7/29/15 Jennifer Canales - Microbiologist".

Bag contained 1 bacterial culture(s) on agar slant(s) in culture tube(s) id. "915750 Comp#1 HE RV isolate - 1 JRC 7/29/15".

Sample received in good condition at room temperature.

8. NET CONTENTS	✓NOT APPLICABLE __ NOT DETERMINED __UNITS EXAMINED	DECLARE / UNIT_____. AMOUNT FOUND_____. % OF DECLARED _____.	9. LABELING	_____ORIGINAL(S) SUBMITTED _____COPIES SUBMITTED ✓ NONE

10. SUMMARY OF ANALYSIS DATE STARTED: 8/4/15.

CONTAINER: 16X125 slip-cap culture tube(s).

LABELING: Not applicable.

CODE: None.

PRODUCT: Bacterial culture(s) on agar slant(s)

ANALYSIS: 1 culture(s) examined for *Salmonella* biochemical and serological identification.
Lab positive and negative controls also examined - Controls for biochemical testing: Positive control(s) = known *Salmonella* culture(s). Negative controls = media controls. Controls for serological testing: Positive controls = commercial and in-house prepared QC *Salmonella* antigens - (contain antigens homologous to antisera being tested) Negative controls = 1. Culture and saline /formalinized saline control. 2. QC antigen and saline /formalinized saline control

METHOD: See page 2.

RESULTS:
The culture(s) submitted from this sample was / were determined to be: 915750 S. Monophasic GR B

Positive controls positive. Negative controls negative.

11. RESERVE SAMPLE :

1 Reserve culture(s) placed in -90°C (locked ARL freezer - RT10333) in TST broth with 20% glycerol in cryogenic vial(s) identified: "915750 SLD 8/10/15 S. Monophasic GR B"
on (date) 8/10/15 for long term storage. 1 bacterial culture(s) on BAB agar slant(s) in 13 x100 glass screw capped tube (s) id. "915750 SLD 8/10/15 S. Monophasic GR B". Tube(s) placed into plastic whirl-pak bag that is FDA sealed "915750 8/10/15 Stephanie Horton".
Sealed bag will be placed into isolate shipping canister and carton and sent to Denver District Lab for antibiotic resistance testing. Official seal submitted as "Attachment A" with worksheets.

12 a. ANALYST SIGNATURE (broke seal ✓) Stephanie Horton	13. WORKSHEET CHECK	BY Brandolyn Canales
b.		b. DATE 8/10/15
c.	14. DATE REPORTED	8/10/15

GENERAL CONTINUATION SHEET *Salmonella* Serotyping Protocol	PRODUCT - Bacterial cultures from : Dog Food	SAMPLE NO. 915750

Initial Set up

1. Emulsify one loopful of culture from agar slant as received in 0.5 ml sterile 0.85% NaCl in a sterile 13 x 100 mm tube. Streak an XLD agar plate from emulsion. Inoculate TST broth, TSI, MTM, LIA and Tryptose agar slants, from original slant. Incubate 18-24 hours at 35-37°C. Read XLD for purity and appearance. If observation of XLD plate appears to be mixed, pick one colony of each type and re-inoculate TST broth, TSI, MTM, LIA and Tryptose agar slant

2. Read TSI ,MTM and LIA tubes and slants, record results and use growth from TSI slant diluted in 0.85% NACL to inoculate the API 20E strip. Use Tryptose agar slant for somatic (O) antigen testing. Use TST culture for flagellar (H) antigen testing.

3. **Serological Identification ---Somatic Antigens**
   Live Antigens are used for Somatic (O) serology. (caution must be exercised) Using a glass slide which has been prepared to withstand antisera, antigen and 0.85% NaCl. Growth is taken from the tryptose agar slant emulsified into one drop of 0.85% NaCl to which a specific drop of antisera is added to the appropriate well, rocking back and forth approximately one minute to observe for agglutination. First testing the O polyvalent antisera, then the groups, then the factors.

4. **Serological Identification — Flagellar (H) Antigens**
   A. Use tube agglutination test explained below in steps 4.C. through step 4.E. for B-D/ Difco , SA Scientific, and California Department of Health Services antisera.

   B. Statens Serum Institute H antisera will be used in a slide agglutination technique as described above in #3. in the titre as received with inoculum from Tryptose agar slant.

   C. Dilute 10 ml TST culture with an equal volume of 0.6% formalinized saline.

   D. Perform first portion of Flagellar (H) antigen analysis using this suspension. Combine H antisera (diluted according to manufacturers' and CDC's Guidelines) and formalinized TST culture in a 10 x 75 mm tube.

   E. Incubate tube in 48-50°C bath up to one hour. Check for agglutination every 15 minutes. First test using the H polyvalent antisera and then the complex and single factor antisera.

5. **Phase Reversal of H Antigens**
   A. Place one droop of concentrated H antisera, homologous to H antigen identified via step D above in a sterile 50 x 9 mm or a 50 x 11 mm Petri dish. Add 5 ml semi-solid motility test medium, mix thoroughly and allow to solidify. (This plate is known as a Gard plate.)

   B. Transfer small amount of growth from TSI slant to edge of Gard plate, and incubate at 35-37°C in upright position for at least 24 hours or until enough growth away form the point of inoculation is observed.

   C. Transfer one loopful from leading edge of motile growth on Gard plate to TST broth, and incubate 18 – 24 hours at 35 - 37°C.

   D. Perform second portion of Flagellar (H) antigen analysis following steps 4.A.. through 4.E. above. For Statens Serum Institute H antisera, use the Gard plate growth as source of the sample antigen for testing.

6. **Additional Biochemical Testing**
   Additional biochemical tests such as malonate, Jordan's Tartrate, KCN broth , etc. may be used if needed to determine the subspecies and / or biotype of any *Salmonella* isolate. They are incubated at 35 – 37°C for 48 hours.

Method References:

1. Antigenic Formulas of the Salmonella Serovars, 9th Edition, 2007 Patrick A.D. Grimont and Feancois-Xavier Weill
2. AOAC, 19th Edition , 2012, Chapter 17,
3. BAM, Online Edition, updated May 2014 ; *Salmonella*, Chapter 5
4. Identification of Enterobacteriaceae, Chapter 9, The Genus *Salmonella*, P. Edwards and W. Ewing, 4th Ed , 1986
5. Identification and Serotyping of *Salmonella* , F. Brenner and A. McWorter-Murlin, CDC, National Salmonella Reference Laboratory,1998.
6. Modified Kauffmann-White Scheme, Updated 1998, F. Brenner, CDC, National Salmonella Reference Laboratory.
7. Manufacturer's package inserts for *Salmonella* antisera & QC antigens from: Difco Laboratories, Statens Serum Institute, and Centers for Disease Control (CDC).

NOTES:

Stephanie Horton

GENERAL CONTINUATION SHEET	PRODUCT Bacterial cultures from : Dog Food	SAMPLE NO. 915750

BIOCHEMICAL IDENTIFICATION RESULTS

INITIALS + DATE: SLW 8/4/15 | SLW 8/5/15 | SLW 8/6/15 →

BASIC TESTS | **ADDITIONAL TESTS**

ISOLATE IDENT. # ↓	XLD	TSI				LIA				Motility	Malonate	Mucate	Jordan's Tartrate	Phenol Red Broth Base with
		SLANT	BUTT	H2S	GAS	SLANT	BUTT	H2S	GAS					
915750	T	K	A	+	+	K	K	+	−	+				
Media Control	NG →													
Positive Control	T	K	A	+	+	K	K	+	−	+				

T = typical AT = atypical NG = no growth K = alkaline A = acid YB = yellow with black centers NB = no black centers

API 20E	ONPG 1	ADH 2	LDC 4	ODC 1	CIT 2	H2S 4	URE 1	TDA 2	IND 4	VP 1	GEL 2	GLU 4	MAN 1	INO 2	SOR 4	RHA 1	SAC 2	MEL 4	AMY 1	ARA 2	OXI 4
Isolate Id: 915750 Initials: SLW																					
24 HR. Date: 8/7/15	−	+	+	+	+	+	−	−	−	−	−	+	+	+	+	+	−	+	−	+	−
Profile Number		6			7			0			4			7			5			2	

API 20E IDENTIFICATION FOR ISOLATE 915750 Salmonella spp. Ex. I.D.

API 20E	ONPG 1	ADH 2	LDC 4	ODC 1	CIT 2	H2S 4	URE 1	TDA 2	IND 4	VP 1	GEL 2	GLU 4	MAN 1	INO 2	SOR 4	RHA 1	SAC 2	MEL 4	AMY 1	ARA 2	OXI 4
~~Isolate Id._____.~~ Initials:																					
24 HR. Date:																					
Profile Number																					

SLW 8/7/15

API 20E IDENTIFICATION FOR ISOLATE :

API 20E	ONPG 1	ADH 2	LDC 4	ODC 1	CIT 2	H2S 4	URE 1	TDA 2	IND 4	VP 1	GEL 2	GLU 4	MAN 1	INO 2	SOR 4	RHA 1	SAC 2	MEL 4	AMY 1	ARA 2	OXI 4
Isolate Id._____. Media Control Initials: SLW																					
24 HR. Date: 8/7/15	−	−	−	−	−	−	−	−	−	−	−	−	−	−	−	−	−	−	−	−	−
Profile Number		0			0			0			0			0			0			0	

API 20E IDENTIFICATION FOR ISOLATE Media Control .85% NACL : Negative

API 20E	ONPG 1	ADH 2	LDC 4	ODC 1	CIT 2	H2S 4	URE 1	TDA 2	IND 4	VP 1	GEL 2	GLU 4	MAN 1	INO 2	SOR 4	RHA 1	SAC 2	MEL 4	AMY 1	ARA 2	OXI 4
Isolate Id. Positive Control. Initials: SLW																					
24 HR. Date: 8/7/15	−	+	+	+	+	+	−	−	−	−	−	+	+	+	+	+	−	+	−	+	−
Profile Number		6			7			0			4			7			5			2	

API 20E IDENTIFICATION FOR ISOLATE Positive Control S. Gaminara SEA 2575 Salmonella spp. Ex. I.D.

ANALYST(S) Stephanie Horton

GENERAL CONTINUATION SHEET	PRODUCT (Bacterial cultures from): Dog Food	SAMPLE NO. 915750

SEROLOGICAL IDENTIFICATION RESULTS

+ = agglutination in tube & slide tests. - = no agglutination NA = Not Available W = Weak reaction gr = group

SOMATIC (O) ANTIGEN DETERMINATION

INITIALS/ DATE: SH 8/6/15 →

ISOLATE # / ID.	O POLYS A	B	C	D	E	F	G	O GROUPS B	O FACTORS 4	5	Culture & 0.85% NaCl Negative control
915750	+							+	+	+	—
QC antigen + controls	+							+	+	+	—
Types of QC antigens	B							B	B	B	Antigens & 0.85% NaCl

FLAGELLAR H ANTIGEN DETERMINATION - PHASE (circled) (1) 2 both 1 and 2

INITIALS/ DATE: SH 8/6/15 →

ISOLATE # / ID.	H POLYS A	B	C	D	E	H COMPLEXES	H FACTORS b	d	i	z10	z29	Culture & Formalinized 0.85% NaCl Negative control
915750	+	–	–		–		* SH 8/6/15	–	+	–	–	—
QC antigen + controls	+	+	+		+		+	+	+	+	+	—
Types of QC antigens	d	e,h	r		z6		b	d	i	z10	z29	Antigens & form. saline

FLAGELLAR H ANTIGEN DETERMINATION - PHASE (circled) : 1 2 (No 2nd phase)

INITIALS/ DATE: SH 8/9/15 →

ISOLATE # / ID.	H POLYS A	B	C	D	E	H COMPLEXES	H FACTORS b	d	i	z10	z29	Culture & Formalinized 0.85% NaCl Negative control
915750	+	–	–		–		–	–	+	–	–	—
QC antigen + controls	+	+	+		+		+	+	+	+	+	—
Types of QC antigens	d	e,h	r		z6		b	d	i	z10	z29	Antigens & form. saline

SEROTYPE FOR ISOLATE # / ID. 915750 S. Monophasic GR. B 4,5:i:–

SEROTYPE FOR ISOLATE # / ID.

SEROTYPE FOR ISOLATE # / ID.

SEROTYPE FOR ISOLATE # / ID.

NEGATIVE CONTROLS RESULTS: Negative — See page 1 and above for types of – controls.

POSITIVE CONTROLS (QC ANTIGENS) RESULTS : positive

ANALYST(S). Stephanie Horton

Continuation Sheet	Product Bacterial Culture(s) From:	Sample number
	Dog Food	915750

SALMONELLA MEDIA AND EQUIPMENT LOT RECORD FOR SEROTYPING

	Lot #		Lot #
XLD Agar (AOAC 967.25 A (d)1/2	150727-3	Tryptose BAB (BAM M-166)	150624-6
TSI (AOAC 967.25 A (g) ½)	150623-11	TST Broth (AOAC 967.25 A (s))	150615-8
LIA (AOAC 967.25A (m)1)	150627-3	Physiologic Saline (AOAC 967.25 B (f))	150429-4
BHI Broth	150731-8	Motility Test Med. (AOAC 967.25 A (n))	150618-10

	Lot #		Mfr	Lot #
Formalized Saline *(AOAC 967.25 B (g))* 0.85% NaCl	150429-4	w/0.6% formaldehyde	Fisher	148493
Formalized Saline *(AOAC 967.25 B (g))* 0.85% NaCl		w/0.6% formaldehyde	Baker	
Phenolized Saline *(CDC 1998)* 0.85% NaCl	150429-4	w/0.55 % phenol	Fisher	994310

	Lot #	Mfr:
Sterile Mineral Oil (BAM R-46)	150336-2 Exp: 9.29.15	ARL
API 20E *(AOAC 978.24 A (a))*	6035999 20 Exp. 2016-04-20	BioMerieux
Ferric Chloride *(BAM R-25)*	536564 Exp. 2016/04/27	Remel
Kovacs' reagent *(AOAC 967.25 B (a*	516163 Exp. 2015/12/16	Remel
α -Naphthol (Voges-Proskauer)*(AOAC 967.25 B (b1))*	150219-10 Exp: 2.19.16	ARC
40% KOH(Voges-Proskauer) (AOAC 967.25 B (b2)	493223 Exp: 2015/10/21	Remel
Oxidase Reagent(BAM R-54)	493788 Exp. 2016/02/25	Remel
80 % Glycerol	150469-2 Exp. 4-9-2016	ARL
HE Agar (AOAC 967.25A (e)1/2)		ARL
Lysine Dec. broth (AOAC 967.25A (m)1)		ARL
Phenol Red Broth with Dulcitol		Remel
Phenol Red Broth with Lactose		Remel
Phenol Red Broth with Salicin		Remel
Phenol Red Broth with		
Jordan's Tartrate *(Edwards & Ewing,1986)*		Remel
Mucate medium *(Edwards & Ewing,1986)*		Remel
Malonate Broth *(AOAC 967.25A (l)*		Remel

Supplies

Sterile tubes:	13 X100	150601-9	16 x150		20 x150	

	Mfr.	Lot #		Mfr	Lot #
Disposable culture tubes 10 x 75mm	Fisherbrand	1425499	Sterile Cryovials	Wheaton	130200572
Sterile 1 ml Pipets	Corning	16319664	Sterile 5 ml Pipets		
Sterile 10 ml Pipets		28314001			
Sterile Transfer pipets	Fisherbrand	14449105	Sterile Transfer pipets		
Sterile 50 x 9 mm Petri dishes			Sterile swabs		
Sterile micropipettor tips					

Equipment

Pipettors: Mfr: Eppendorf Size: 2 – 20 µl #266750, Size: 10 – 100 µl #3392601, Mfr: Oxford Size: 100 – 1000 µl A94018452 Mfr: Drummond FDA # : RT11056

35°C Incubator: Forma Scientific FDA # 5022432	**50°C Water Bath : Thermo Scientific FDA #ARL00421**
Refrigerators GE FDA #178799 Westinghouse FDA # 182538 NC21263	**Freezers (-90°C): *Harris FDA #RT10333 & FDA #RT10866***

Control Cultures:

- ☑ *S. Gaminara* (Nalidixic ac.R.) SEA 2575 , ☐ *E. aerogenes* ATCC # 13048
- ☐ *S. subsp. diarizonae* ATCC# 29934 ☐ _____

Analyst(s)

Stephanie Horton

SALMONELLA ANTISERA and QC ANTIGEN LOT RECORD	PRODUCT: Bacterial culture(s) from: Dog Food	SAMPLE NO. 915750

O Antisera	Mfr & Lot #	rehydrated or diluted w	I N
POLY A-I	Difco 6250603	14305-2*	
POLY A	SSI 5790-H1	None	
POLY B	SSI 580U-H1	None	
POLY C	SSI 581K-H14	None	
POLY D	Difco 1139043	140302-2*	
POLY E	Difco 4160781	141031-7*	
POLY F	Difco 8094697	080312*	
POLY G	Difco 2168340	140305-2*	
Group A	Difco 8233323	100301-5*	
Group B	Difco 3018191	140626-2*	
Group C1	Difco 3039184	140201-2*	
Group C2	Difco 2013546	140305-2*	
Group D	Difco 2251456	140305-2*	
Group E	Difco 2307492	130701-5*	
Group F	Difco 3109446	140626-2	
Group G	SSI 8471-H5	Non e	
Group H	Difco 9023219	130701-5*	
	Difco 6027328	130701-5*	
	Difco 8114181	130701-5*	
Group I	SSI 600D-H7	None	
Group J	SSI 601C-H8	None	
Group K	SSI 602G-H6	None	
Group L	Difco 8345583	100301-5*	
Group M	Difco 8331700	100310-5*	
Group N	Difco 9162587	100310-5*	
Group O	Difco 9156682	100310-5*	
Factor 1	SSI 478G-H3	None	
Factor 2	SSI 873B-H5	None	
Factor 4	SSI 876E-H11	None	
Factor 5	SSI 782G-H2	None	
Factor 6	SSI 837K-H4	None	
Factor 7	SSI 634R-H2	130118-8*	
Factor 8	Difco 9260579	130118-8*	
Factor 14	SSI 638F-H3	None	
Factor 9	Difco 0259974	140305-2*	
Factor 46	SSI 648L-H1	None	
Factor 10	SSI 637R-H3	None	
Factor 15	SSI 639G-H6	None	
Factor 19	SSI 640I-H10	None	
Factor 34	Difco 9247784	130701-5*	
Factor 20	SSI 641K-H8	None	
Factor 22	SSI 6421-H3	None	
	Difco 6235063	14305-2*	
Factor 23	SSI 643I-H1	Non e	
	Difco 4068832	14305-2*	
Factor 24/25	SSI 874C-H1	None	
Factor 25	SSI 645K-SH1	None	
Factor 27	SSI 646H-H2	None	
Group P	CDC 79-0450	100301-5p	
Group Q	CDC 85-0031	100301-5p	
Group R	CDC 01-0188N	100301-5p	
Group S	CDC 85-0032	100301-5p	
Group T	CDC 89-0147	100301-5p	
Group U	CDC 79-0453	100301-5p	
Group V	CDC 87-0065	091228-3p	
Group W	CDC 96-0027N	100210-5p	
Group X	CDC 82-0102	080715-2p	
Group Y	CDC 96-0050N	080715-2p	
Group Z	CDC 96-0049N	080715-2p	

H Antisera	Mfr & Lot #	rehydrated or diluted w	I N
POLY A	Difco 3283047	150203-2*	
POLY B	Difco 4150864	141031-7*	
POLY C	Difco212446	130118-8*	
POLY D	Difco 8253506	090217-5*	
POLY E	Difco 3074210	141001-11*	
Factor b	Difco 1015570	130829-8*	
Factor d	Difco 1045569	140305-2*	
Factor i	Difco 1016654	130118-8*	
Factor z10	Difco 3081234	130701-5*	
Factor z29	Difco 3024368	140305-2*	
Factor a	Difco 8189214	080715-2*	
Factor c	Difco 9020038	100301-5*	
Factor e,h	Difco 1041636	131106-6*	
Factor h	Difco 9139719	140505-2*	
en complex	Difco 0343456	140305-2*	
Factor x	Difco 1224754	140722-14*	
Factor z15	Difco 1104601	140722-14*	
G complex	Difco 8345581	140305-2*	
Factor f	Difco 1090901	150203-2*	
Factor m	Difco 3193286	150203-2*	
Factor s	Difco 1126077	121015-1*	
Factor t	Difco 1120676	130118-8*	
Factor p	Difco 9050648	100301-5*	
Factor q	SSI 694D-S3	None	
	CDC 98-0070	081015-3p	
Factor u	SSI 697C-S8	None	
	CDC 99-0017N	081015-3p	
L complex	Difco 1115528	130118-8*	
	CDC 00-0032N	060710-4p	
Factor l,v	SSI 736E-S16	None	
Factor v	SSI 698K-S1	None	
	CDC 05-0035		
Factor w	Difco 8155842	081015-3*	
	CDC 98-0048N	060710-4p	
Factor z13	CDC 02-0028N	060710-4p	
Factor z28	Difco 9321050	100707-4*	
	CDC 02-0029N		
z4 complex	Difco 1140410	130102-4*	
Factor z23	Difco 9015612	100301-5*	
Factor z24	SSI 701B-24	None	
	CDC 99-0009N		
Factor z32	Difco 9260610	100707-4*	
Factor k	Difco 2342196	150203-2*	
Factor r	Difco 3323320	140312-9*	
Factor y	Difco 3081238	140305-2*	
Factor z	Difco 1104607	120201-1*	
Factor 2	Difco 3150186	140804-7*	
Factor 5	Difco 3354232	140804-7*	
Factor 6	Difco 3060143	150203-2*	
Factor 7	Difco 1126100	130701-5*	
Factor z6	Difco 1363654	140804-7*	
H poly a-z	Difco 8052732	080312-3*	

H QC Antigens	Mfr & Lot #	I N
a	SAS 2122000	
b	ADH S. java	
c	SAS 1091107	
d	SEA 2575 S. gaminara ±	
i	ATCC 14028 S. typhimurium	
Z10	ADH S. newport	
Z29	CFSAN S. cubana	
e,h	ADH S. newport	
e,n,x	ATCC 9842 S. abortusequi	
g,f,s	ADH S. agona	
g,p,u	CDC S. rostock	
g,m	ATCC 13076 S enteritidis	
g,q	CDC S. moscow	
g,t	ADH S. budapest	
l,w	ADH S. worthington	
l,v	ADH S. bredeney	
l,z28	ATCC 10721 S. javiana	
y	ADH S. bariclly	
z	ADH S. worthington	
r	ADH S. heidelberg	
z4z23	ATCC 10723 S. cerro	
z4,z24	SAS 2122001	
z4,z32	CDC S. serotype IV	
2	ATCC 1408 S. typhimurium	
5	ADH S. bareilly	
6	CFSAN S. poona	
7	SEA 2575 S. gaminara ±	
z6	ATCC 15786 S. hoograven	
z36	CDC S. serotype II	
z39	SAS 3013100	
z42	ATCC 15786 S. hoograven	
Z53	ATCC 12325 S. diarizonae	
e,n,z15	ADH S. braenderup	
k	ADH S. thompson	
Z13	CDC S. uganda	

O QC Antigen	Mfr & Lot #	IN
Group A	Difco 8287460	
Group B	Difco 8287461	
Group C1	Difco 9037635	
Group C2	Difco 8189358	
Group D	Difco 9190853	
Group D2	SAS 2090518	
Group E1	Difco 9188690	
Group E2	Difco 9272758	
Group E3	SAS 3081222	
Group E4	Difco 8207552	
Group F	Difco 9230630	
Group G1	Difco 9167947	
Group H	Difco 8207253	
Group I	Difco 8205832	
Group J / K	SAS 2080607 / NA	
Group L /M	SAS 3021825 / NA	
Group N /O	SAS 0030201 / NA	
Group P / Q	SAS 2111810 / SAS 1091308	
Group R / S	SAS 3202714 / SAS3031005	
Group T / U	SAS 3022715 / SAS 208608	
Group V /W	NA / SAS 110903	
Group X / Y	SAS 9022304 / SAS8081808	
Group Z	SAS 9110100	

* = 0.85% sterile saline for rehydration of antisera , p = 0.55% phenolized 0.85% sterile saline for initial dilution of antisera, CDC = Centers for Disease Control, ± = factor tested with ATCC culture is circled, IN = analyst initials for antisera/antigen used, w = with, SAS = SA Scientific/Adam Diagnostics, Note: Working dilutions of Difco and SAS H antisera made with 0.55% phenolized 0.85% sterile saline. For this lot #: see page titled "*Salmonella Media and Equipment Lot Record for Serotyping*" included with this worksheet package. SSI = Statens Serum Institute -Note : SSI antisera used undiluted
NA =Not available, gp = group ADH Arkansas Department of Health CFSAN Centers for Food Safety and Nutrition

ANALYST(S) Ale Marie Horta

Salmonella Isolate Information Sheet

Sample Number: 915750 Date isolate shipped: 7/29/15

Product: FROZEN CHICKEN BLEND (DOG FOOD)

Original analyst: JENNIFER CANALE

Lab: MSB-NRL-LAB N

Total number of isolates submitted: 1

Isolates are FDA sealed: "915750 7/29/15 Jennifer Canale, Microbiologist"

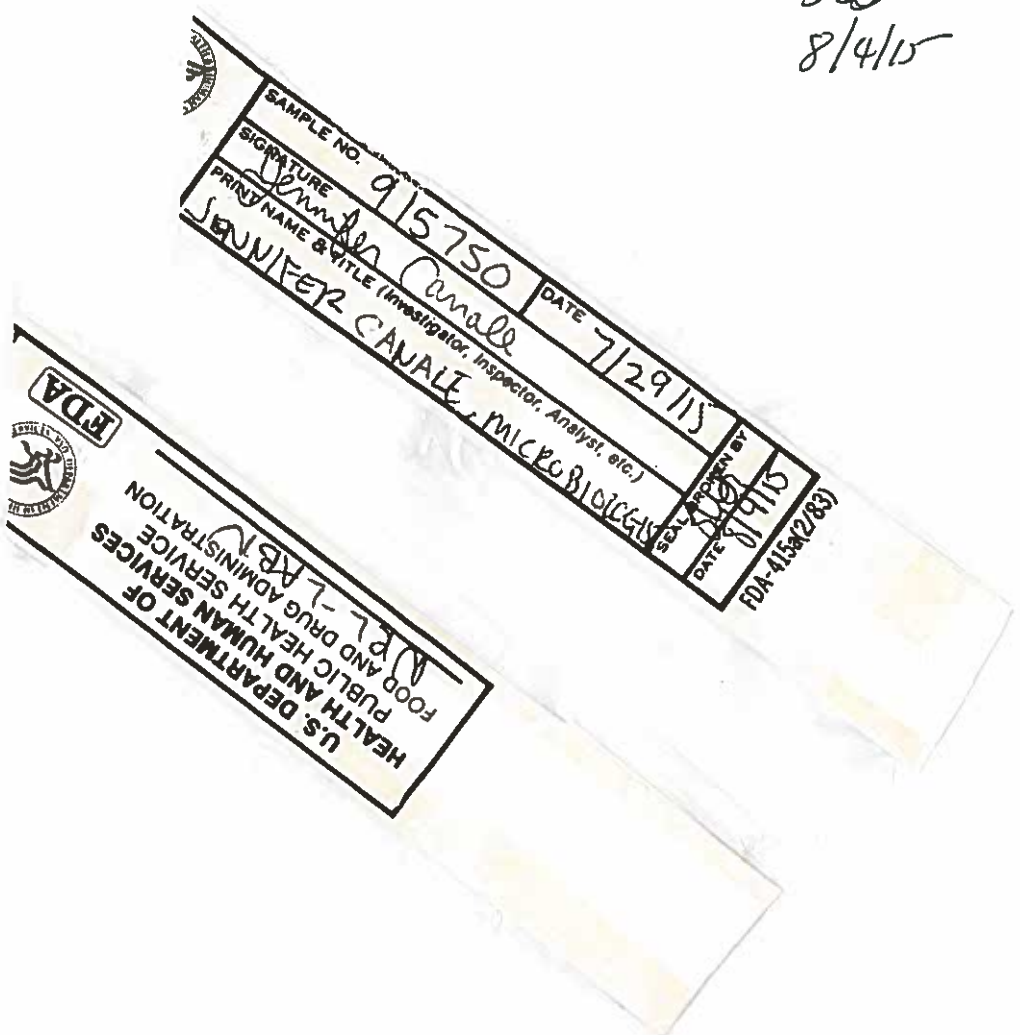
Comp or Sub #	Isolate #	Tube identified as follows: "..."	TSI Result	API20E or Vitek Profile Number*	Somatic Polyvalent Result	Somatic Group Result	H Poly (a-z) Result +/-
1	HERV Isolate #1	"915750 Comp#1 HERV isolate#1 JRC 7/29/15	KA++ KK+-	0015610461026200	Poly A.	Group___.	+
					Poly____.	Group___.	
					Poly____.	Group___.	
					Poly____.	Group___.	
					Poly____.	Group___.	

*Examples: 6704552 = an API20E profile number, 6020724533 = a Vitek profile number

Comments:

ATTACHMENT A:
ANALYST'S ORIGINAL SEAL

Dog Food
915750
SCH
8/4/15



Stephanie Harter