

























FDA U.S. F	Dod and Drug Administration ing and Promoting Public Health		www.fda.gov
(in	Listeria mon ready to thaw a	<i>nocytogenes</i> nd eat sandwi	ches)
		Sponge Stick	2008-12-09
		Sponge Stick	2008-12-09
		sub sandwich with turke	y & cheese2008-12-09
		sub sandwich with turke	y & cheese2008-12-09
		Sponge Stick	2008-12-10
		Sponge Stick	2009-01-14
		Sponge Stick	2009-01-14
		Sponge Stick	2009-06-08
		Sponge Stick	2009-06-08
	and the distance of the second s	Sponge Stick	2009-06-08
		Sponge Stick	2009-06-08
	IN TRACTOR STRATEGY IN THE RECTOR OF	Sponge Stick	2009-06-09
		Casara Ofish	2000.00.00





<b>U.S. Food and Drug Administration</b> Protecting and Promoting Public Health					www.fda.gov
PFGE-Xbal	Salr	<i>nonella</i> Ag (in cereal)	jona	Interestin PFGE-Bini	g
	Cereal - To	asted Oats .	1998-06-26		
	Swab		2008-04-09		
1 11 11	Swab		2008-04-09		
1 11 11	Swab		2008-04-09		
1 11 1	Swab		2008-04-09		
1 11 1	Swah		2008-04-00		
1 11 11	Swab		2008-04-09		
1 11 11	Swab		2008-04-09		
	Cereal		2008-04-09		
.1 11 10	Swab		2008-04-10		
	Puffed Rice	e Cereal	2008-04-16		
	Puffed Rice	e Cereal	2008-04-16		
	Swab		2008-04-17		
	Swab		2008-04-17		COLUMN STREET
	Swab		2008-04-17		$\cap$
	Swab		2008-04-17		
	Unsweeter	Puffed Rice Cereal	2008-04-17		$\cup$
·	Unsweeter	Puffed Rice Cereal	2008-04-17		
	Puffed Who	eat Cereal	2008-04-18		
	Puffed Whe	eat Cereal	2008-04-18		











	DDEAKO		
MAIO OUT	BREAKS		
• 1998	S. Baildon	86 cases	
• 2000	S. Thompson	29 cases	
• 2002	S. Newport	512 cases	
	S. Newport	12 cases	
	S. Javiana	90 cases	
• 2004	S. Javiana	471 cases	
	S. Braenderup	123 cases	
• 2005	S. Newport	71 cases	
	S. Enteriditis	77 cases	
	S. Braenderup	76 cases	
• 2006	S. Newport	107 cases	
	S. Typhimurium	186 cases	





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PRELIMINARY TOMATO RESEARCH	
partners: FDA-CDC-USDA/ARS-NCSU-UMD-VTECH	
<ul> <li>CURRENT SUBTYPING/MOLECULAR EPIDEMIOLOGY SUPPORT</li> <li>▶ Genetic and molecular epidemiological analysis of outbreak and environments strains of S. Newport from tomato farms located on the Virginia eastern shore • PFGE pattern comparisons with FDA foods and veterinary database across several enzymes         • antibiotic resistance profiling •MLST analysis     </li> <li>► COLOGY STUDIES     </li> <li>▶ growth and survival characteristics on tomato fruit, pond water, other nicher</li> </ul>	ental e - ses
► sampling of potential reservoirs associated with tomato farms ( <i>i.e.</i> , ponds, flora, migratory fowl)	native
Planned competition studies of S. Newport and other serovars on tomatoes INTERVENTION	6
► in vitro and in vivo screening of tomato farm epiphytic microflora for antage activity against S. Newport	onistic
potential field application for biological control of S. Newport	



**OTHER SUBTYPING METHODS BEING DEVELOPED** 

► LC-MS protein profiling

► Phenotype microarray





