

-4110N CONFE		\boxtimes	Growing Area		
Proposal for Task Force Consideration at the ISSC 2015 Biennial Meeting					
			☐ Harvesting/Handling/Distribution		
			Administrative		
Submitter	Executive Board				
Affiliation	Interstate Shellfish Sanitation Conference (ISSC)				
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Proposal Subject	MPN-Real-Time PCR for Total Vp				
Specific NSSP	Section IV. Guidance Documents				
Guide Reference	Chapter II. Growing Areas				
	.11 Approved NSSP Laboratory Tests				
Requested Action	This method was developed by Jessica Jones (FDA Gulf Coast Seafood Laboratory)				
	and is being submitted by the ISSC Executive Board. The Executive Board granted				
	interim approval to this method on March 13, 2015. The Executive Board is				
	submitting this proposal to comply with Article V. Section 1. of the ISSC				
	Constitution, Bylaws, and Procedures.				
Text of Proposal	Submitted by method developer Jessica Jones (FDA Gulf Coast Seafood Laboratory)				
	5. Approved Methods for Vibrio Enumeration				
		<u> </u>	Application:	Application:	
	Vibrio In	dicator Type:	PHP	Reopening	
			Sample Type:		
			Shucked		
	EIA ¹ Vibrio vulnific		X		
	MPN ² Vibrio vulnific		X		
	SYBR Green 1 Vibrio vulnific	cus (V.v.)	A		
		emolyticus (V.p.)	X		
	1	emolyticus (V.p.)	X		
		emolyticus (V.p.)	<u>X</u>	<u>X</u>	
	PCR ⁶		=	=	
	Footnotes:				
	1 EIA procedure of Tomplia	a at all as dass	mihad in Chanta	"O of the ET	
	¹ EIA procedure of Tamplin, et al, as described in Chapter 9 of the FDA Bacteriological Analytical Manual, 7th Edition, 1992.				
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	² MPN method in Chapter 9 of				
	Edition, May 2004 revision, for by the DNA -alkaline phos			nemicai anaryses	
	³ MPN format with confirmation			oho mothodologi	
	as listed in Chapter 9 of the F.				
	May 2004 revision, or a method		•		
	⁴ PCR methods as they are liste				
	Manual, 7th Edition, May 2004				
	demonstrate is equivalent.	To vision, or a met	nou mai a State Ca	.11	
	⁵ Vibrio vulnificus, ISSC Summa	ary of Actions 200	9 Proposal 09-11	3 Page 123	
	⁶ MPN-real time PCR method				
	described in Kinsey et al., 2015		<u> ποι τοιαί ν. <i>β</i>α</u>	<u>, anacmorgicus</u>	
	uescribed in Kinsey et al., 201.	<u>J.</u>			



Public Health	The current NSSP method for enumeration of Vp requires a minimum of four days	
Significance	from receipt of sample to results reporting. The MPN-real-time PCR method provides results in as little as 24h from receipt of sample. At the 2013 conference, proposal 13-202 was adopted which requires testing prior to reopening of growing areas closed as a result of <i>Vp</i> illnesses [Chapter II @.01.F(5)]. Availability of this more rapid method will facilitate reopening decision making.	
Cost Information	This method costs ~\$100 per sample for laboratory consumables, supplies, and reagents. Most equipment needed for testing is standard microbiology equipment, but purchase of a heat block (~\$400) and/or centrifuge (~\$2,500) may be necessary. Purchase of a real-time PCR instrument will be required (\$30,000-\$45,000). Additional costs for a laboratory would vary based on their operational overhead and labor.	