APPENDIX N BULK MILK TANKER SCREENING TEST FORM

IDEXX - NEW SNAP® BETA-LACTAM TEST (Raw Commingled Cow, Raw Commingled Camel, and Raw Commingled Goat Milk) IMS # 9-I1

[Unless otherwise stated all tolerances are ±5%]

GENERAL REQUIREMENTS

1.	See	See Appendix N General Requirements (App. N GR) items 1-8 & 15					
	SAMPLES						
2.	See	Арр	o. N GR item 9				
			APPARATUS & REAGENTS				
3.	Equipment						
	a. Heater block with SNAP insert thermostatically controlled at 45±5°C						
		1.	Check temperature by placing standardized temperature measuring device in a tube containing liquid (bulb submersed); maintain records				
		2.	Or, use 6-inch partial immersion thermometer placed directly into small thermometer well in middle of heating unit; maintain records				
		3.	Temperature measuring device for each incubator (App. N GR item 3)				
	b.		XX Readers for SNAP devices, with printer or data download				
		1.	SNAPshot® Reader				
			a. Check Set, Part Number 87-05856-01 (black skirt)				
		2.	SNAPshot® DSR Reader				
			a. Check Set, Part Number 87-14761-00 (blue skirt)				
	C.	Pipe	ettor - 450 μL and disposable tips (see App. N GR item 7)				
	d.		single use 450 µL poly-pipet with indicator line to measure amount cample, supplied by manufacturer (screening only)				
	e.	Tim	ner				

	a.	SNA	SNAP Kit			-		
		Lot #:		Exp Date:			-	
		QC Date:		By:			-	
		1.	Sample tubes co	ontaining reage	nt pellet			
	b.	Posi	tive Control				-	
		IDEXX Penicillin Positive Control						
			Lot #:	Exp Date	:		-	
	C.	Neg	ative Control				-	
		Previously tested negative raw m		milk (item 5.d)		-		
5.	Rea	agent stability						
	a.							
	72 hours must be shipped refrigerated							
	b.	Store date	Store kits at 0-7°C, maintain no longer than manufacturer's expiration late Positive Control- Manufacturer supplied, maintain no longer than nanufacturer's expiration date					
	C.							
		Store according to label instructions		-				
		2.	Reconstitute as frozen previously					
		3.	Positive control reader; maintain		reater than 1.2	on the IDEXX	-	
		Reader value:		-				
		 Store reconstituted positive control at 0.0-4.5°C for no more than 24 hours 						
			Lab Prep. Date:		Lab Exp. Date	:	-	

Reagents

4.

	a.	иес	jauve	e Control - beta-lactam negative raw milk (fresh of frozen)			
		1.	read	gative control must produce less than 0.95 on the IDEXX ader; (SNAP Test Negative Control can be any of the approved ecies milk); maintain records			
			San	mple ID: Date Tested:			
			Rea	ader value:			
		2.		ore fresh negative control milk at 0.0-4.5°C for no more than hours			
		3.	Negative control milk frozen for later use				
			a.	Aliquot within 24 hours and freeze at –15°C or colder in a non-frost-free freezer or in an insulated foam container in a frost-free freezer; use within 2 months			
				Lab Prep. Date: Lab Exp. Date:			
			b.	Thaw frozen milk at 0.0-4.5°C			
			C.	Once thawed mix thoroughly, Do Not use if noticeable protein precipitation is present after thawing			
			d.	Thawed negative control milk held at 0.0-4.5°C and used within 24 hours			
		4.	Milk	k controls may not be refrozen			
6. Daily Performance and Operation Checks (see App. N GR item 10)				mance and Operation Checks (see App. N GR item 10)			
	a.	Read Performance Check Set (Device #1 as Negative and Device #2 as Positive)					
	b.		vices must read within the limits as indicated on the storage el of the check set devices				
	Positive Range: Negative Range: c. If check sets fail, call IDEXX before proceeding						
				TECHNIQUE			
7.	Tes	t Pro	ocedu	ure			
	a.			required number of SNAP devices, sample tubes and pipets amples to be tested			
		1.	Disc	scard unused, un-refrigerated devices at the end of the day			

b.	least 5 min before beginning the test					
	1.		eck initial pre-heating with a temperature measuring device e App. N GR item 3); maintain records			
	2.	tem	ntinuous use block heaters, check temperature daily with perature measuring device (see App. N GR item 3); maintain ords			
C.	Lab	el ea	ch device and sample tube			
d.	Pla	ce de	vice(s) on incubator block(s)			
e.	Verify that blue reagent pellet is in bottom of tube before removing cap. If not in bottom, tap to bring down					
f.	Rer	nove	and discard sample tube cap(s)			
g.	Mix milk sample(s)/control(s) 25 times in 7 sec with a 1 ft movement or vortex for 10 sec at maximum setting; use within 3 min (samples must be in appropriate containers to allow the use of vortexing)					
h.	Add 450 uL of mixed sample/control to corresponding tube(s)					
	 Using Pipettor (item 3.c) with a new tip for each sample/control draw up 450 μL avoiding foam and bubbles 					
		a.	Remove tip from liquid			
		b.	While holding the pipettor vertically, expel test portion to sample tube			
	2.	2. Using a new manufacturer provided single-use 450 μL poly-pipet (item 3d.) for each sample/control (Screening Only)				
		a.	Draw up 450 uL of sample to indicator line, avoiding foam and bubbles			
		b.	Remove tip from liquid			
		C.	While holding poly-pipet vertically, expel test portion to sample tube			
i.	Agitate sample tube(s) to dissolve reagent pellet					
j.	Place tube(s) in heater block next to device with the corresponding ID					
k.	Incubate tube(s) for 5 min (use timer) at 45±5°C					
l.	After incubation, pour contents of each tube into sample well of corresponding device					

10.	Reporting (see App. N GR item 14)				
9.	Verification of Initial Positive Tanker Samples (see App. N GR item 11); Confirmation of Presumptive Positive Tanker Samples (see App. N GR item 12); and Traceback of Producer(s) on a Confirmed Positive Tanker (see App. N GR item 13)				
	 IDEXX Reader for SNAP devices automatically prints results as Positive or Negative (NF) 				
8. Interpretation with Idexx Reader for SNAP Devices					
	p.	 p. Insert only valid tests in the reader IMMEDIATELY (no longer than 30 sec) after completion of incubation 			
		3.	The sample or control spots are not uniform in color or exhibit poor spot quality		
		2.	Blue streaking occurs in the background or the background is the same color as the sample or control spots		
		1.	The control spot fails to develop color		
	0.	At the end of incubation, visually inspect the control and test spots. The test is invalid and the same sample should be retested with a new SNAP device if:			
	n.	Incubate device for 4 min (use timer) at 45±5°C			
	m.	m. Watch blue activation circle, as it begins to disappear push the activator firmly until it "snaps" flush with the body of the SNAP device (device remains on heater block)			