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 Appendix N General Requirements (App. N GR) items 1-8 & 15

SAMPLES

2. See App. N GR item 9

APPARATUS & REAGENTS

3. Equipment

- a. Heater block with SNAP insert thermostatically controlled at 45±5°C
 - 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. IDEXX Readers for SNAP devices, with printer or data download capability
 - 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. Pipettor 450 µL and disposable tips (see App. N GR item 7)
- d. Or single use 450 µL poly-pipet with indicator line to measure amount of sample, supplied by manufacturer (screening only)
- e. Timer

4. Reagents

	a.	SNA	SNAP Kit					
		Lot #:		Exp Date:				
		QC Date:		Ву:				
		1.	1. Sample tubes containing reagent pellet					
	b.	Pos	sitive Control					
		1. IDEXX Penicillin Positive Control						
			Lot #:	_ Exp Date:				
	C.	Negative Control						
		1.	Previously teste	ed negative raw milk (item 5.d)				
5.	Rea	agent stability						
	a.							
				ipped refrigerated				
	b.	Stor date	naintain no longer than manufacturer's expiration					
	C.		nufacturer supplied, maintain no longer than					
		1.	Store according	to label instructions				
		2.		per manufacturer's instructions with fresh or ly screened beta-lactam negative raw milk.				
		3.	Positive control reader; maintain	must produce greater 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:				

	d.	Negative Control - beta-lactam negative raw milk (fresh or frozen)				
		1.	read	ative control must produce less than 0.95 on the IDEXX ler; (SNAP Test Negative Control can be any of the approved cies milk); maintain records		
			nple ID: Date Tested:			
			Rea	der value:		
		 Store fresh negative control milk at 0.0-4.5°C for no more than 72 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	controls may not be refrozen		
6.	Dail	v Pei		ance and Operation Checks (see App. N GR item 10)		
	a.	Read Performance Check Set (Device #1 as Negative and Device #2 as Positive)				
	b.	Both devices must read within the limits as indicated on the storage box label of the check set devices				
	Positive Range: Negative Range:					
	C.					
				TECHNIQUE		
7.	Tos	Pro	cedu			
1.						
	 Set out required number of SNAP devices, sample tubes and pipets for the samples to be tested 					
		1.	Disc	ard unused, un-refrigerated devices at the end of the day		

b.	Pre-warm heater block(s) to 45±5°C, and maintain 45±5°C range for at least 5 min before beginning the test					
	1.		ck initial pre-heating with a temperature measuring device App. N GR item 3); maintain records			
	2.		tinuous use block heaters, check temperature daily with perature measuring device (see App. N GR item 3); maintain ords			
C.	Label each device and sample tube					
d.	Place device(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.	Remove 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) 1. 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.	 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					
I.	After incubation, pour contents of each tube into sample well of corresponding device					

	m.	 Match 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) 				
	n.	n. Incubate device for 4 min (use timer) at 45±5°C				
	0.	The	he end of incubation, visually inspect the control and test spots. test is invalid and the same sample should be retested with a new AP device if:			
		1.	The control spot fails to develop color			
		2.	Blue streaking occurs in the background or the background is the same color as the sample or control spots			
		3.	The sample or control spots are not uniform in color or exhibit poor spot quality			
	p.	 Insert only valid tests in the reader IMMEDIATELY (no longer than 30 sec) after completion of incubation 				
8.	Interpretation with Idexx Reader for SNAP Devices					
	 IDEXX Reader for SNAP devices automatically prints results as Positive or Negative (NF) 					
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)					
10.	Rep	Reporting (see App. N GR item 14)				