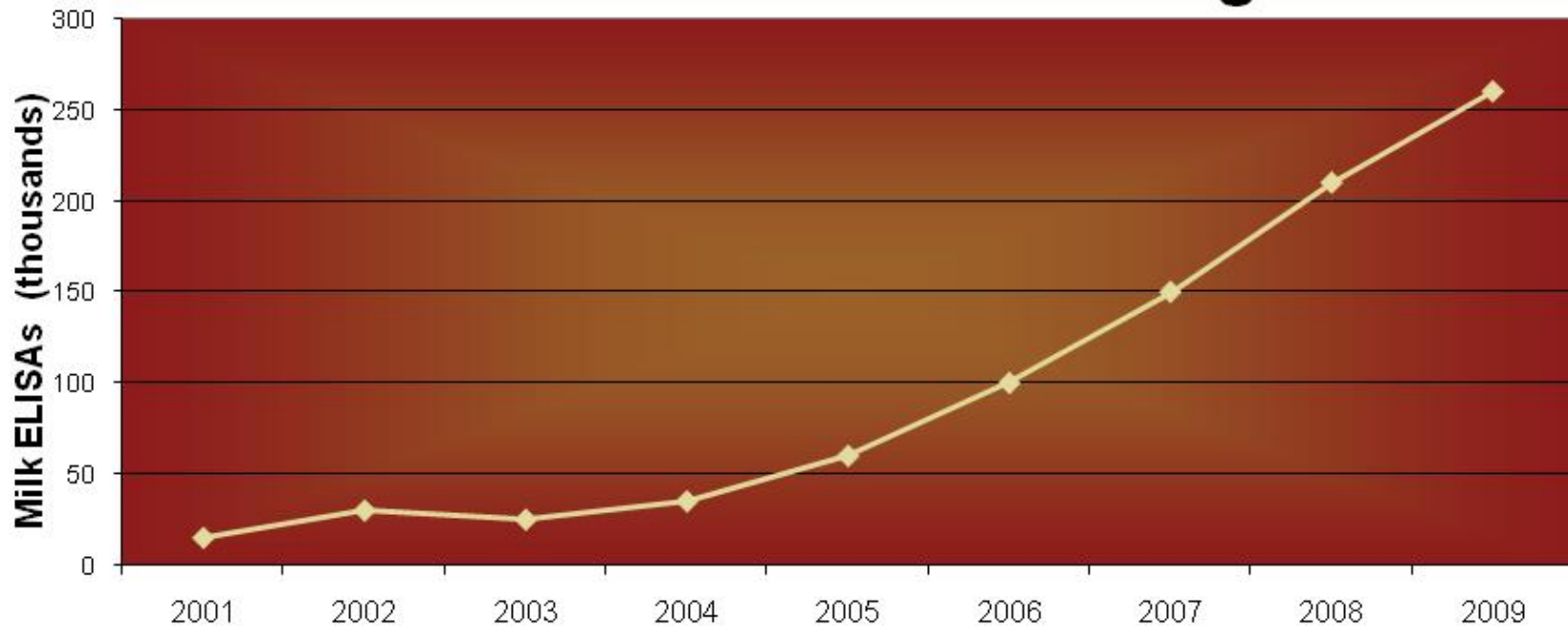


NALMA

- DHI Johne's Testing
- NEW: From DRMS
- NEW: Proficiency Test
- BVD Testing

Johne's Disease

Johne's Milk ELISA Testing



DRMS: CowPicker

ELISA

Export	Index	BarnName	ID	Brd	BirthDate	Repro	DaysInMilk	Lact	Status	DaysToDryDate	Sample	SireNAAB
<input type="checkbox"/>	00010	DAFFIE	34VIH4314	HO	8/14/2002		193		5 Milk		0	7HO5384
<input type="checkbox"/>	00016	CAMILLA	34VIH4338	HO	9/13/2002	B	396		4 Dry		0	7HO5767
<input type="checkbox"/>	00019	GENIE	34VIH4347	HO	10/23/2002	B	341		4 Milk	6	0	7HO5605
<input type="checkbox"/>	00026	FLORETT	34VIH4389	HO	2/27/2003	B	414		4 Dry		0	9HO2608
<input type="checkbox"/>	00027	FAY	34VIH4390	HO	3/28/2003	B	439		4 Dry		0	7HO5484
<input type="checkbox"/>	00042	SINDER	34VHI4792	XX	10/3/2003	B	397		4 Milk	1	0	7B5733
<input type="checkbox"/>	00054	SHERYL	34VIH4522	HO	3/14/2004		380		3 Milk		0	9HO2315
<input type="checkbox"/>	00058	SAPPHIR	34VIH4571	XX	5/12/2004	B	404		3 Dry		0	1B5528
<input type="checkbox"/>	00059	DANIELI	34VIH4581	HO	6/25/2004		73		4 Milk		0	7HO5300
<input type="checkbox"/>	00061	SAMMY	34VIH4580	HO	7/24/2004	B	308		3 Dry		0	7HO5687
<input type="checkbox"/>	00062	DION	34VIT2406	HO	8/14/2004	B	338		3 Milk	70	0	29HO8614
<input type="checkbox"/>	00064	FIONA	34VIT2405	HO	9/3/2004		94		3 Milk		0	7HO5650
<input type="checkbox"/>	00066	FANCY	34VIT2411	HO	9/19/2004	B	141		3 Milk	130	0	7HO5650
<input type="checkbox"/>	00071	SIBYL	34VIT2436	HO	10/14/2004	B	594		2 Milk	-105	0	1HO6024
<input type="checkbox"/>	00073	GINA	34VIT3439	HO	11/1/2004	B	327		3 Dry		0	29HO8614
<input type="checkbox"/>	00077	HUNTER	34VIT3440	HO	11/15/2004		81		3 Milk		0	7HO6177
<input type="checkbox"/>	00081	SAMANTH	34VIT2453	HO	11/24/2004	B	293		3 Milk	68	0	7HO5484
<input type="checkbox"/>	00084	ERICA	34VIT2459	HO	1/30/2005	B	175		3 Milk	139	0	29HO10145
<input type="checkbox"/>	00085	FRANCIN	34VIT2457	HO	2/2/2005	B	450		2 Milk	-5	0	1HO6024
<input type="checkbox"/>	00089	SHAYNA	34VIT2296	HO	6/3/2005		80		3 Milk		0	29HO10145
<input type="checkbox"/>	00090	HALEY	34VIT2294	HO	6/30/2005		59		3 Milk		0	7HO6194
<input type="checkbox"/>	00091	QUINN	34VIT2158	HO	7/7/2005	B	410		2 Milk	57	0	7HO6194

Days to Turn Dry Days in Milk Lactation

Key Entry (MIN MAX AND MIN MAX AND MIN MAX)

OR (MIN MAX AND MIN MAX AND MIN MAX)

OR (MIN MAX AND MIN MAX AND MIN MAX)

Print Create CSV Select All Clear All Apply Selection OK Cancel

Total Records: 48 Selected Records: 0 FILE WILL BE CREATED FOR JOHNE'S TEST

DRMS: Johne's Reports

JOHNE'S ANALYSIS		Test Date: 09-19-2009										34-67-0000		Page 1 of 1	
DHI-420		Processed: 09-21-2009										RAINY-DAY FARM			

Index	Barn Name	Sample Date	Result	Value	Purchased	Lact	DIM	Cur Milk	Prev Milk	Cur SCC	Prev SCC	SCC Tests Infected	305 ME Milk	ERPA Milk	Rating	Days to Calve	Repro Code	Recent Kept Calves
1798	514	09-19-09	POS	.38		4	269	51	66	2.0	4.9	8	20096	-2606	C	95	E	2780, 2571
603	603	09-19-09	POS	.34	P	1	496		10		3.5	9				65	E	
603	603	08-08-09	N	.06	P	1	496		10		3.5	9				65	E	

Cows Tested Negative on Most Recent Johne's Sample Date:

2187 2499

JOHNE'S MANAGEMENT		Test Date: 09-19-2009										Page 1 of 1	
DHI-423		Processed: 09-21-2009											
		34-67-0000											
		RAINY-DAY FARM											

Sampling Program

Test Date	Current Test					Progress to Date			
	Number of Cows		Number of Samples			Accumulated % of Cows Tested			
	Milking	Sampled	Negative	Suspect	(Incidence) Positive	Sampled	Negative	Suspect	(Prevalence) Positive
07-11-09	226	6	6	0	0		100	0	0
08-08-09	236	7	5	1	1		85	8	8
09-19-09	229	6	2	1	3	3	68	11	21

Performance

Test Date	Johne's Status	Number of Samples	Averages					
			Test Day Peak Milk	305 ME Milk	ERPA Milk	Test Day SCC	Days 1st Service	Days Open
09-19-09	Pos & Susp	4	86	20096	-2606	2.0	83	354
	Neg	2	106	23601	-1112		62	62

Cows tested on the most recent test are highlighted in yellow. Yellow highlighting indicates a high Johne's test result. Purchased "P" indicates a second or later test. "D" indicates a first test. Recent Kept Calves lists animals that have calved. The upper section of the report shows all active animals that tested negative on the most recent Johne's sample date. A cow, if positive on a prior test, could be listed in both sections. The lower section lists all active animals that tested negative on the most recent Johne's sample date. A cow, if positive on a prior test, could be listed in both sections.



Johne's Proficiency Test



Quality Certification
Services Inc.



Johnes Milk Screening, ELISA Proficiency Testing Program

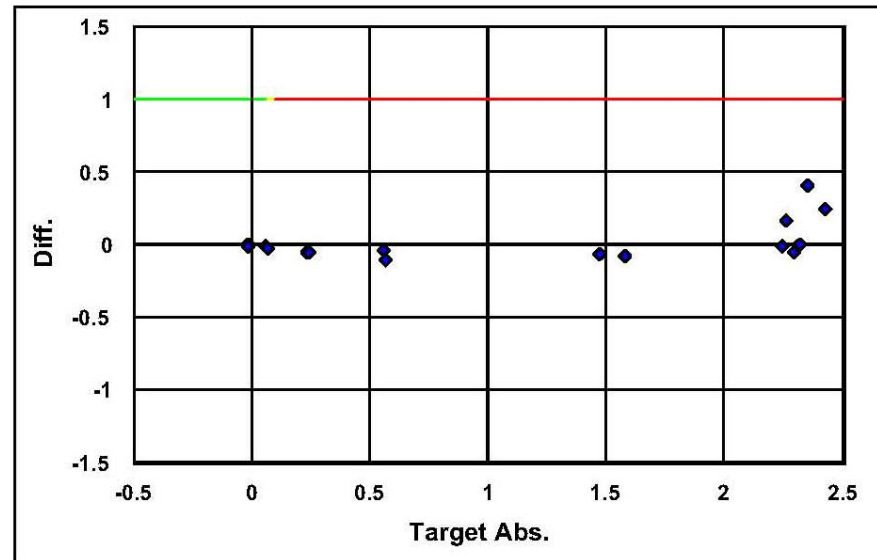
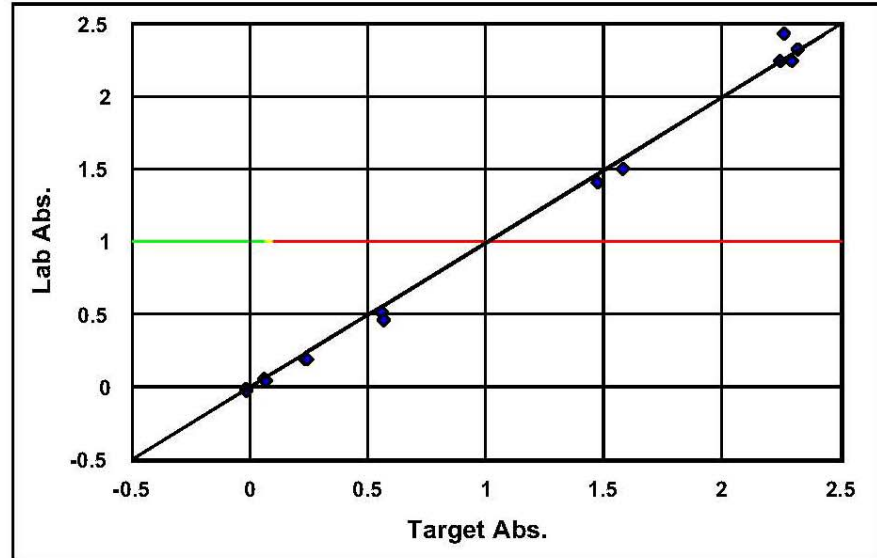
Date	Oct. 2009
Batch	JPT001
Lab	Lab C

Negative	Green
Suspect	Yellow
Positive	Red

Sample	Target	Lab C	Diff	+/-
S1	-0.018	-0.016	0.002	Neg
S2	-0.017	-0.015	0.003	Neg
S3	-0.017	-0.016	0.002	Neg
S4	-0.016	-0.013	0.003	Neg
S5	-0.016	-0.014	0.002	Neg
S6	-0.013	-0.016	-0.002	Neg
S7	0.064	0.058	-0.006	Neg
S8	0.068	0.052	-0.017	Neg
S9	0.238	0.196	-0.043	Pos
S10	0.248	0.199	-0.049	Pos
S11	0.561	0.527	-0.034	Pos
S12	0.565	0.466	-0.099	Pos
S13	1.470	1.414	-0.056	Pos
S14	1.579	1.506	-0.074	Pos
S15	2.249	2.246	-0.004	Pos
S16	2.267	2.433	0.166	Pos
S17	2.293	2.250	-0.043	Pos
S18	2.319	2.331	0.011	Pos
S19	2.357	2.766	0.408	Pos
S20	2.426	2.678	0.252	Pos
MD		0.021		
SDD		0.120		

Compliance Rates: Lab C

Correct Negatives	100%
Correct Suspects	N/A
Correct Positives	100%
Overall Compliance	100%

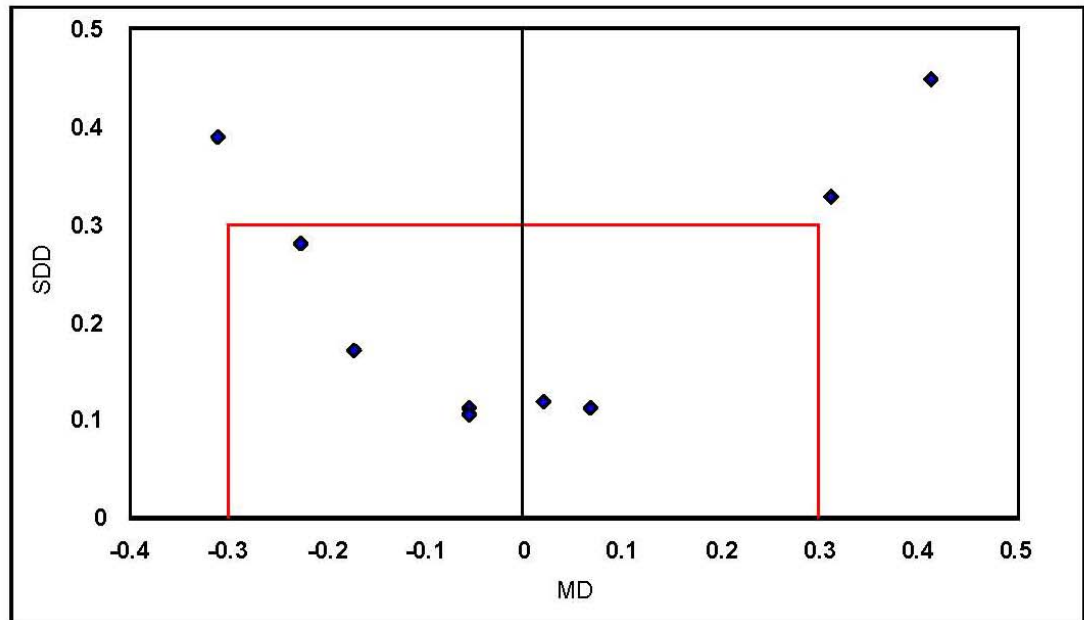


Johnes Milk Screening, ELISA Proficiency Testing Program - Summary

Date	Oct. 2009
Batch	JPT001

Lab	MD	SDD	Comp.
Lab A	-0.226	0.281	100%
Lab B	-0.171	0.171	100%
Lab C	0.021	0.120	100%
Lab D	-0.054	0.112	95%
Lab E	0.069	0.113	95%
Lab F	0.414	0.448	90%
Lab G	0.312	0.329	90%
Lab H	-0.056	0.106	90%
Lab I	-0.310	0.390	95%

Shaded results are from labs not satisfying defined tolerances for MD and SDD.



BVD Testing

- Identify Persistent Infection (PI)
- PCR-Extremely Sensitive
- ELISA-Individual Animal

BVD Bulk Tank/Group PCR

- Identifies Persistent Infection (PI)
- Reverse Transcriptase-PCR (RNA)
- Conservatively detects 1:250
- Used to:
 - Narrow groups/pools for ELISA
 - Monitor expanding herds

BVD ELISA

- Individual Animal Test
- Sensitive and Specific



AntelBio BVD Milk ELISA

	Positive	Negative	Total
Positive	18	0	18
Negative	0	386	386
Total	18	386	404

BVD: Calf Testing

- Additional Opportunity For ELISA
 - Individuals (calves, 2 for 1)

- Ear notches
 - Kits / taggers
 - Store dry in tubes
 - Refrigerate / freeze

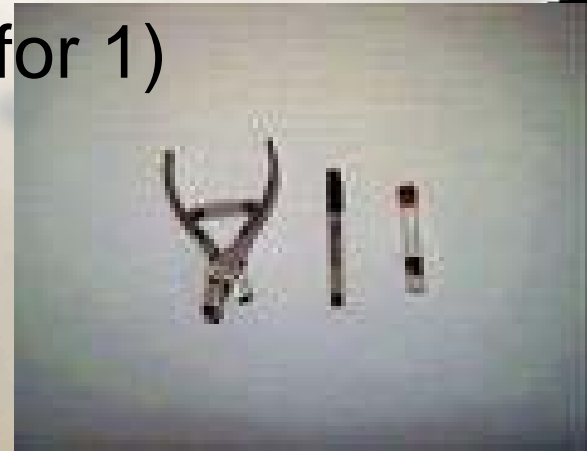


Illustration 1 - Ear notch

Questions?

