

PLATE COUNT TESTING – IDAHO STATE SPLIT SAMPLES – SECTION 6 SPLITS – APRIL 2024

ANALYST INFORMATION	
LABORATORY NAME Example Lab	
ANALYST NAME John Smith	ANALYST SIGNATURE John Smith
CERTIFICATION STATUS 1A	DATE 4/20/2024

SAMPLE INFORMATION		
DATE ANALYZED 4/20/2024	TIME ANALYZED 1200	TEMPERATURE (°C) 2.3

PLATE COUNT INFORMATION		
PETRFILM AEROBIC COUNT LOT # 34N6FK	PETRFILM AEROBIC COUNT EXP. DATE 11/30/2024	
PETRFILM RAPID AEROBIC COUNT LOT # 33I6OC	PETRFILM RAPID AEROBIC COUNT EXP. DATE 11/30/2023 <i>expired</i>	
INCUBATOR TEMP. AT 0 HOURS 31.9 °C	INCUBATOR TEMP. AT 24 HOURS 32.3 °C	INCUBATOR TEMP. AT 48 HOURS missing
TIME IN 1250	24 HOUR TIME OUT 1040 <i>read too early</i>	48 HOUR TIME OUT 1205

PLATE COUNT CONTROLS RESULTS		
AIR PLATE PAC: 3 RAC: 18 <i>out of specification</i>	START PAC: 0 RAC: 0	END PAC: 1 RAC: 0

PLATE COUNT PROCEDURES								
SAMPLE #	PETRFILM AEROBIC COUNT (PAC)				PETRFILM RAPID AEROBIC COUNT (PAC)			
	CFU/PLATE		CFU/ML		CFU/PLATE		CFU/ML	
	1:100	1:1000	REPORT	CALCULATIONS	1:100	1:1000	REPORT	CALCULATIONS
01	182	22	18,000		215	27	22,000	$215 \times 27 / 0.011 = 22000$
02	195	18	19,000	<i>rounded wrong</i>	183	20	180	<i>reported wrong</i>
03	116	5	12,000		131	11	13,000	
04	238	28	28,000	<i>needs math, reported wrong</i>	240	28	28,000	<i>needs math, reported wrong</i>
05	221	38	23,000	<i>missing calc.</i>	176	22	18,000	
06	136	15		<i>no result reported</i>	140	8	140,000	<i>reported wrong</i>
07	188	12	19,000		199	12	20,000	
08	277	39	29,000	<i>wrong result</i>	240	26	24,000	$240 \times 26 / 0.011 = 24181$
COMMENTS failed reporting QA/QC error <i>calculated inappropriately</i>								

ALL ANALYSTS MUST REPORT AN ACTUAL COUNT. REPORTING <2,500E OR >250,000E WILL RESULT IN NOT PASSING.

RETURN COMPLETED FORM TO:
 ISDA, ATTN: DAIRY LABORATORY, 2300 OLD PENITENTIARY RD., BOISE ID, 83712
 DAIRYLAB@ISDA.IDAHO.GOV

ANTIBIOTIC/INHIBITOR TESTING – IDAHO STATE SPLIT SAMPLES – SECTION 6 SPLITS – APRIL 2024

ANALYST INFORMATION	
LABORATORY NAME Example Lab	
ANALYST NAME John Smith	ANALYST SIGNATURE John Smith
CERTIFICATION STATUS IA	DATE 4/20/2024

SAMPLE INFORMATION		
DATE ANALYZED 4/20/2024	TIME ANALYZED 1100	TEMPERATURE (°C) 2.3

ANTIBIOTIC TEST INFORMATION				
INCUBATOR TYPE missing		INCUBATOR TEMP. 64.5°C		
REAGENTS	MANUFACTURER	LOT #	EXP. DATE	
Circle One: Charm SLBL Charm SL3 BL30SEC Delvo	DSM	23 F12/23	6/12/2023 <i>expired</i>	
Positive Control	DSM	21 D02/25	missing	
Negative Control	DSM	21 D02/7	6/5/2024	

ANTIBIOTIC TEST CONTROLS RESULTS		
PERFORMANCE TESTING	SCREEN	RANGE
LOW CALIBRATOR	NA	NA
HIGH CALIBRATOR	NA	NA

ANTIBIOTIC TEST PROCEDURES			
SAMPLE #	SCREEN	INTERPRETATION	COMMENTS
01A	P	NF ←	<i>incorrect interpretation</i>
02A	y/p	NF	<i>yellow/purple intorp.</i>
03A	P	Pos	
04A	y	Neg ←	<i>incorrect reporting</i>
05A	P	←	<i>no interpretation reported</i>
06A	y	NF	
07A	NF <i>incorrect reporting</i>	NF	
08A	P	Pos	
POS Control	P	Pos	
NEG Control	y	missing	

failed result

ALL ANALYSTS MUST TEST AND REPORT THEIR OWN CONTROLS.

QA/QC error

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LABORATORY NAME Example Lab	
ANALYST NAME John Smith	ANALYST SIGNATURE John Smith
CERTIFICATION STATUS IA	DATE 4/20/2024

SAMPLE INFORMATION		
DATE ANALYZED 4/20/2024	TIME ANALYZED 1100	TEMPERATURE (°C) 2.3

ANTIBIOTIC TEST INFORMATION			
INCUBATOR TYPE missing		INCUBATOR TEMP. 52.6C ← outside allowed specification	
REAGENTS	MANUFACTURER	LOT #	EXP. DATE
Circle One: Charm SLBL Charm SL3 BL30SEC Delvo	Charm	218	missing
Positive Control	Charm	STDP-024A	4/22/2024
Negative Control	Truck #17	230420	4/22/2024

ANTIBIOTIC TEST CONTROLS RESULTS		
PERFORMANCE TESTING	SCREEN	RANGE
LOW CALIBRATOR	-42	-53 to -34
HIGH CALIBRATOR	+216	+212 to missing

ANTIBIOTIC TEST PROCEDURES			
SAMPLE #	SCREEN	INTERPRETATION	COMMENTS
01A	+2855	NF ←	incorrect interpretation
02A	-3308	NF	
03A	+1822	Pos	
04A	-4871	Neg ←	incorrect reporting
05A	+2817	←	no interpretation reported
06A	-4212	NF	
07A	-4302	NF	
08A	+1819	Pos	no C line, veran sample
POS Control	+4212	Pos	
NEG Control	-1667	missing	

failed result

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QA/QC error

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transcription error

Performance Monitor
EZ Serial Number 4557

Date = 20APR2024 Time=11:00:00
Low Calibrator is Detected
Lo Limit = -53
Answer = -42
Hi Limit = -34
Low Calibrator is In Range

Date = 20APR2024 Time=11:01:00
High Calibrator is Detected
Lo Limit = 212
Answer = 218
Hi Limit = 248
High Calibrator is In Range

High Limit = -4000
Answer = -1667
Low Limit = -600
CHARM Sciences EZ Reader

UnitSN = 4557
Date = 20APR2024 Time=11:04:00
Operator ID = JS
Channel = SL-3
LotNumber = 218
Sample ID = NEGATIVE CONTROL
Answer = -1667
Result = Valid

Negative Control Test is Valid

High Limit = 4000
Answer = 4212
Low Limit = 400
CHARM Sciences EZ Reader

UnitSN = 4557
Date = 20APR2024 Time=11:05:00
Operator ID = JS
Channel = SL-3
LotNumber = 218
Sample ID = POSITIVE CONTROL
Answer = 4212
Result = Valid

Positive Control Test is Valid

Exiting the Performance Monitor
The EZ is ready for operation
CHARM Sciences EZ Reader

UnitSN = 4557
Date = 20APR2024 Time=11:04:00
Operator ID = JS
Channel = SL-3
LotNumber = 218
Sample ID = 1A
Answer = 2855
Result = Positive

Confirm Later

UnitSN = 4557
Date = 20APR2024 Time=11:05:00
Operator ID = JS
Channel = SL-3
LotNumber = 218
Sample ID = 2A
Answer = -3303
Result = Negative

UnitSN = 4557
Date = 20APR2024 Time=11:06:00
Operator ID = JS
Channel = SL-3
LotNumber = 218
Sample ID = 3A
Answer = 1822
Result = Positive

Confirm Later

UnitSN = 4557
Date = 20APR2024 Time=11:07:00
Operator ID = JS
Channel = SL-3
LotNumber = 218
Sample ID = 4A
Answer = -4871
Result = Negative

UnitSN = 4557
Date = 20APR2024 Time=11:08:00
Operator ID = JS
Channel = SL-3
LotNumber = 218
Sample ID = 5A
Answer = 2817
Result = Positive

Confirm Later

UnitSN = 4557
Date = 20APR2024 Time=11:09:00
Operator ID = JS
Channel = SL-3
LotNumber = 218
Sample ID = 6A
Answer = -4212
Result = Negative

UnitSN = 4557
Date = 20APR2024 Time=11:10:00
Operator ID = JS
Channel = SL-3
LotNumber = 218
Sample ID = 7A
Answer = -4302
Result = Negative

UnitSN = 4557
Date = 20APR2024 Time=11:11:00
Operator ID = JS
Channel = SL-3
LotNumber = 218
Sample ID = 8A
Answer = 1817
Result = Positive

Confirm Later

SOMATIC CELLS TESTING – IDAHO STATE SPLIT SAMPLES – SECTION 6 SPLITS – APRIL 2024

ANALYST INFORMATION	
LABORATORY NAME Example Lab	
ANALYST NAME John Smith	ANALYST SIGNATURE John Smith
CERTIFICATION STATUS IA	DATE 4/20/2024

SAMPLE INFORMATION		
DATE ANALYZED 4/20/2024	TIME ANALYZED 1030	TEMPERATURE (°C) 2.3

SOMATIC CELLS INFORMATION				
MANUFACTURER Bentley	MODEL missing	CV 5.272 ← outside allowed specification		
COIL TEMP. 69.3	PMT 0.51	LASER missing	ZEROS 0,0,0	
STND MFG USED ELS	STND LOT # 4/13/2024	STND EXP. DATE 4/30/2024	STND TC 1.6°C	WATER BATH TEMP. 41.1°C
STND TIME IN BATH 1035	STND TC IN BATH 38.2°C	STND START TIME 1105	STND END TIME 1120	
DMSCC SINGLE STRIP FACTOR 4550	DMSCC HEATING BLOCK TEMP. 42.8°C	DMSCC HEATING TIME 5 minutes		

SOMATIC CELLS STANDARDS			
STND LEVEL	STND DMSCC AVG	STND ESCC AVG	HOURLY CHECKS
LOW	155	missing	NA
LM	385	395	NA
MH	705	711	NA
HIGH	missing	1133	NA

SOMATIC CELLS PROCEDURES					
SAMPLE #	DMSCC CELLS COUNTED	DMSCC CALCULATIONS (SHOW WORK)	DMSCC/ML REPORTED RESULTS	ESCC/ML RAW RESULTS	ESCC/ML REPORTED RESULTS
09	122	$122 \times 4550 = 555,100$	560,000	585	580,000
10	37	$37 \times 4550 = 168,350$	70 *	171	170,000
11	219	$219 \times 4550 = 996,450$	1,000,000	1021	1,020,000 *
12	202	$202 \times 4550 = 919,100$	920,000 questionable	952	950,000
13	28	$38 \times 4550 = 172,900$	170,000 results	185	85,000 *
14	114	missing	520,000	524	520,000
15	201	$201 \times 4550 = 914,550$	910,000	920	no result
16	237	$237 \times 4550 = 1,078,350$	1,070,000 *	1131	1,130,000 *

COMMENTS
failed result **QA/QC error** **transcription error** *** reported incorrectly**

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16	Water	04/20/2024	11:50:42	0
16	Water	04/20/2024	11:51:29	0
16	Water	04/20/2024	11:52:01	0
16	Water	04/20/2024	11:52:47	0
6690	Mean	04/20/2024	11:52:47	0
