Drug Residue Testing – Program Requirements

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NCIMS REQUIREMENTS

Every load of raw milk that is received in this country MUST be tested for Beta-lactam* drug residues.

Penicillin drugs are members of the Beta Lactam family of drugs.

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WHAT ABOUT OTHER TESTS?

- Sulfonamides, Tetracycline, Chloramphenicol, Aflatoxin…
  - Currently, you are not required by NCIMS or Wisconsin rules to test for any of these.

  BUT
  - If you test for a chemical that does not belong in the milk and get a positive test result, you must treat the milk as adulterated under Wisconsin law.

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WHERE TO GET THE NCIMS 2400 FORMS

1. Contact the Laboratory Evaluation Officers (LEOs) for the forms you need:
   - datcpleo@wisconsin.gov
2. Go on the DATCP website (for Appendix N forms only):
   - https://datcp.wi.gov/Pages/Programs_Services/DairyProcessors.aspx
3. Go to the NCIMS website for all forms:
   - https://ncims.org/forms/

All PDF files can be downloaded and printed.

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FACILITY REQUIREMENTS

- Every facility that receives raw milk must be approved to do Beta lactam drug residue testing on the milk they receive.

  or

- The facility must have an arrangement, pre-approved by DATCP, to have its milk tested elsewhere.

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FACILITY APPROVAL

To be approved to do drug residue testing, a facility must:

- Have at least one approved Industry Supervisor.
- Meet the requirements of the Beta lactam drug residue testing program.

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FACILITY APPROVAL

To meet the requirements of the Beta lactam drug residue testing program, a facility using a test that uses a **reader and printer** must have one Industry Supervisor submit annually:

- Internal Audit showing that their facility meets the requirements of the Beta lactam drug residue testing program.
- Document training and testing of all analysts at the facility.

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FACILITY APPROVAL

To meet the requirements of the Beta lactam drug residue testing program, a facility using a test that is **visually read** must:

- Go through an initial on-site evaluation (all analysts). If you hire a new analyst, they must also have an on-site evaluation before testing.
- Analysts must run and pass state split samples.
- One Industry Supervisor must submit annually:
  - Internal Audit showing that their facility meets the requirements of the Beta lactam drug residue testing program annually.
  - Documentation of training of all analysts at the facility.

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INDUSTRY SUPERVISORS

As an Industry Supervisor, it will be your responsibility to show that your facility is meeting the requirements of the program:

- State requirements:
  - Internal audit as well as training and testing
- 2400 series forms:
  - Testing records (every load and controls)
  - Quality control (follow 2400 series forms)

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STATE REQUIREMENTS

Internal Audit
- Must be done annually by an Industry Supervisor using the 2400 series forms.

Training and testing
- Analysts must be trained by an Industry Supervisor on the test procedure per 2400 series forms and analysts must test unknowns annually.

Confirmation
- Facility must have a written agreement with a certified lab that will do their confirmation testing.

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STATE REQUIREMENTS

Training of Industry Analysts
- Must train all personnel who test incoming loads of milk (screen) initially and annually.

Training includes:
- 2400 series General Requirements
- 2400 series for test kits that you are using
- All QC forms used at your facility
- Positive Drug Residue Report form
- Tanker Disposal Report

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STATE REQUIREMENTS

Annual testing of Industry Analysts
- Analysts using a reader/printer must test at least three samples (one positive, one negative, third positive or negative).
  - Must correctly identify all three samples
  - Samples can be made in-house
- Analysts using a visually read test must test DATCP-provided split samples.
  - Eight samples – must correctly identify at least seven samples

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INDUSTRY ANALYSTS (IA)

Analysts trained and tested in this manner can:
- Screen loads of milk
- Do verification of initial positive tanker
  - Duplicate testing with positive and negative controls

They CANNOT:
- Confirm positive loads
- Test producer samples
- Clear a positive producer
- Train other analysts

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INDUSTRY SUPERVISORS (IS)

Industry Supervisors that are not certified can:
- Screen loads of milk
- Do verification of initial positive tanker
  - Duplicate testing with positive and negative controls
- Train other analysts

They CANNOT:
- Confirm positive loads
- Test producer samples
- Clear a positive producer

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ONLY **CERTIFIED** ANALYSTS (CA OR CIS)

CAN:
- Confirm positive loads
- Test producer samples
- Clear a positive producer

How do I know if I'm certified?
- Is the lab you are working at certified?
- Have you gone through an on-site evaluation?
- Do you have a license as a certified analyst?

YOU CAN BE __APPROVED AS AN INDUSTRY SUPERVISOR (IS), BUT YOU WILL NOT BE A CERTIFIED INDUSTRY SUPERVISOR (or a CIS) IF YOU DO NOT MEET THESE CRITERIA__

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Wisconsin Appendix N Personnel Chart

	Screen Loads	Confirm Loads	Train Industry Analyst(s) (IA)	Test** Industry Analyst(s) (IA)	Attend IS Workshop	Unknown/PT Samples In-house (3 unknowns)	State Provided	Evaluation Internal Audit	LEO On-site
Industry Supervisor (IS) doing Reader Printer Test	X		Initial & Annual	Initial & Annual	Biennial			Annual	
Industry Supervisor (IS) doing Visual Read Test	X*		Initial & Annual		Biennial		Annual	Annual	Initial
Certified Industry Supervisor (CIS)	X	X	Initial & Annual	Initial & Annual	Biennial		Annual		Biennial
Industry Analyst (IA) doing Reader Printer Test	X					Initial & Annual			
Industry Analyst (IA) doing Visual Read Test	X*						Annual		Initial
Certified Analyst (CA)	X	X					Annual		Biennial

Certified Analysts and **Certified** Industry Supervisors MUST work at a Certified Lab

*NOTE: Industry Supervisor (IS) or Industry (IA) doing a Visual Read Test must pass an on-site evaluation by an LEO **before** screening any loads of milk.

NOTE: Certified Industry Supervisor (CIS) or Industry Supervisors doing Reader Printer test (IS) must create at least 3 unknown samples for only **non-certified Industry Analyst(s) doing Reader Printer test (IA)

Visual Read Test
- Delvotest P mini
- Delvotest 5 Pack
- Charm BsDA

Reader Printer Test
- Charm SL, J SL3, BL30SEC
- Idexx SNAP BL & Tetra
- Charm II
- Charm Tetra, Sulfa, TRIO

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