



***C. dubia* QA evaluation study**  
**Stakeholder Advisory Committee Meeting**

Tuesday May 24, 2022

# Agenda

1. Opening Remarks and Review of the Agenda (5 min)
2. Minutes of Stakeholder Committee Meeting #6 (5 min)
3. Baseline Testing Plan, Logistics and QA (50 min)
  - a) Laboratories' perspectives including suggested experimental parameters
  - b) Stakeholder Committee's perspectives
4. Schedule and Next Steps (15 min)

# Draft Baseline Study Plan

The current draft is incomplete

- Labs and other stakeholders have asked to be active participants to design this study
- This is your first opportunity to do so!

Goal for today is to reach consensus on key study elements

- Preferred testing option
- Specific samples to test
- Data collection and reporting
- Timing and schedule to complete the study

# Clarifications

- Spiked chemical is sodium chloride
- Testing will be done sequentially, i.e., 2 or 3 separate rounds based on option selected
- Each testing batch will include the laboratory's own reference toxicant (i.e., not provided by SCCWRP), tested at 5 concentrations + control
- Each split-sample (provided by SCCWRP) will be tested with a separate laboratory control
  - Sharing controls for multiple samples is not allowed

# Two Testing Options

Sample type	No. labs	No. of test batches	No. split samples per batch	No. of dilutions	Total no. of samples shipped
Testing Option #1					
Unspiked	16?	3	1	1	336
Spiked			1	5	
Duplicate			1	1	
Testing Option #2					
Unspiked	16?	2	3	1	288
Spiked			1	5	
Duplicate			1	1	

*+ reference toxicant per batch and lab control per sample type*

# Data Collection and Reporting Requirements

- Number of males, unhealthy and dead adults, and dead neonates in the brood board
  - Specific start and end time window for age of neonates at test initiation
  - Daily neonate production in test chambers, twice at 3-4 hours intervals
  - Light intensity and air temperature during the testing period/in testing area
  - Water quality parameters before and after daily renewal, measured in surrogate test chambers
  - Feeding procedure (e.g., directly in individual cups or mixed with renewal solution)
  - Sample for water chemistry at test initiation (incl. ionic composition)
  - Sample from laboratory reference toxicant stock solution
- } *send to SCCWRP*

# Reporting Format and Requirements

SCCWRP will provide template culture and bench sheets, and Excel spreadsheet to submit data through the project data portal

Labs will be required to submit:

- Sample information upon receipt
- Testing conditions (e.g., dilution water and food recipe)
- Additional data described in previous slide
- Raw toxicity data, i.e., survival and twice daily neonate counts
- Daily water quality data
- Control charts for reference toxicant tests for the last 12 months
- Pdf copy of culture and bench sheets

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# Lab Comments

- Ship/test samples every other week
- Renew test every 24 hrs +/- 2 hrs instead of twice daily
- Option 1.5 with 2 rounds and only one unspiked sample – preferred by private labs. Public labs would prefer to test multiple hardness (i.e. option 2)
- Measure alkalinity and hardness at test initiation and end
- Prepare/equilibrate samples 48hrs minimum prior to shipping
- Allow labs to participate in some but not all rounds
- 6 weeks notice before start
- Hesitation on need for ref toxicant and clarity on use of such data

# Schedule

June 13: SCCWRP will send the revised study plan to the Expert Science Panel

June (week of 27): Public meeting with Expert Science Panel and participating laboratories to finalize the study plan and approve the QAPP

**July date TBD:** Meeting with participating laboratories to provide training on data collection and submission

**Dates TBD:** Split samples prepared by SCCWRP

**Dates TBD:** Cubitainers containing split samples shipped to the laboratories.

**Dates TBD:** C. dubia toxicity tests

**August date TBD:** Deadline for data submission

# Next Steps

- Stakeholders can submit written comments no later than **Friday May 27 COB**
- SCCWRP will reach out to labs to confirm their participation and receive updated pricing
- CASA will draft a QAPP and share with stakeholder and Expert Science Panel
- The next Expert Science Panel meeting will be scheduled at the end of June
- We are still aiming to start prepare and ship the first batch of split samples by mid-July