

**DTU**



# Inter-laboratory proficiency tests for crustacean diseases 2021

# Time Schedule

- Mid-June: the PT will be send out (let me know ASAP about changes in addresses, and if updated import permits will be needed)
- Mid-August: Deadline for reporting results
- September: Meeting about PT with NRLs
- November: Report

# FTA cards

- For WSSV pleopods will be used, for TSV and YHV1 FTA cards will be used.



-FTA Cards contain chemicals that:

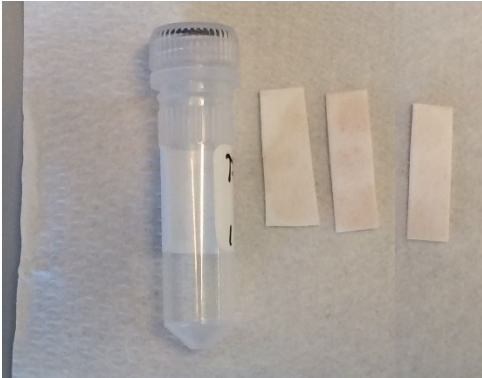
- lyse cells
- denature proteins
- protect nucleic acids from nucleases, oxidation and UV damage.
- inactivate organisms, including blood-borne pathogens, and prevent the growth of bacteria and other microorganisms.

-Cards can be shipped at ambient temperature.

-For DNA, cards can be stored at room temperature, for RNA they should preferably be stored frozen.

# Content of PT-2021 TSV/YHV1

6 x

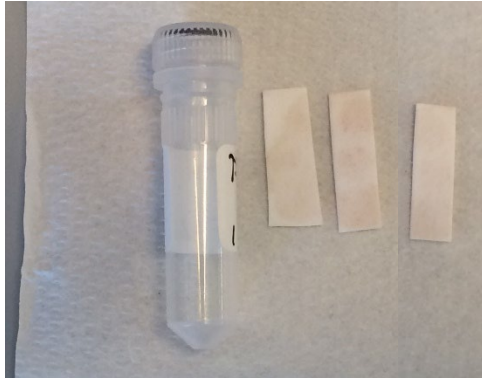


Strips of FTA cards containing shrimp homogenate (spf, TSV or YHV1)

All three strips are similar

# Content of PT-2021 TSV/YHV1

6 x

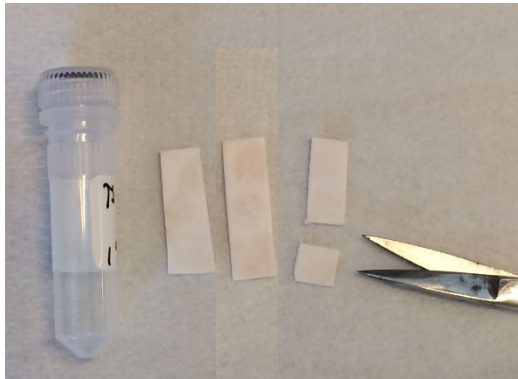


Strips of FTA cards containing shrimp homogenate (spf, TSV or YHV1)

All three strips are similar

Cut piece of one strip from each tube

6 x



# Content of PT-2021 TSV/YHV1

6 x

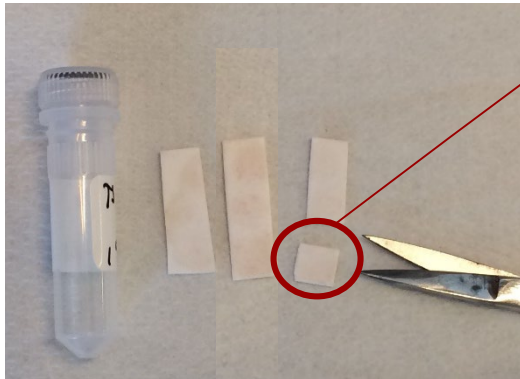


Strips of FTA cards containing shrimp homogenate (spf, TSV or YHV1)

All three strips are similar

Cut piece of one strip from each tube

6 x



# Procedure

- Use ca. 1/3 of a strip for RNA extraction.
1. Incubate the FTA card piece in TE buffer (ca. 200  $\mu$ l) for 30 min with occasional vortexing.
  2. Collect the liquid. Centrifuge tube + card 5 min 10.000 rpm. Collect liquid and add to previous collection. Extract RNA using protocol for liquid samples.

Alternatively the card piece can be treated as a pleopod sample, i.e. put in lysis buffer etc.



# Questions?