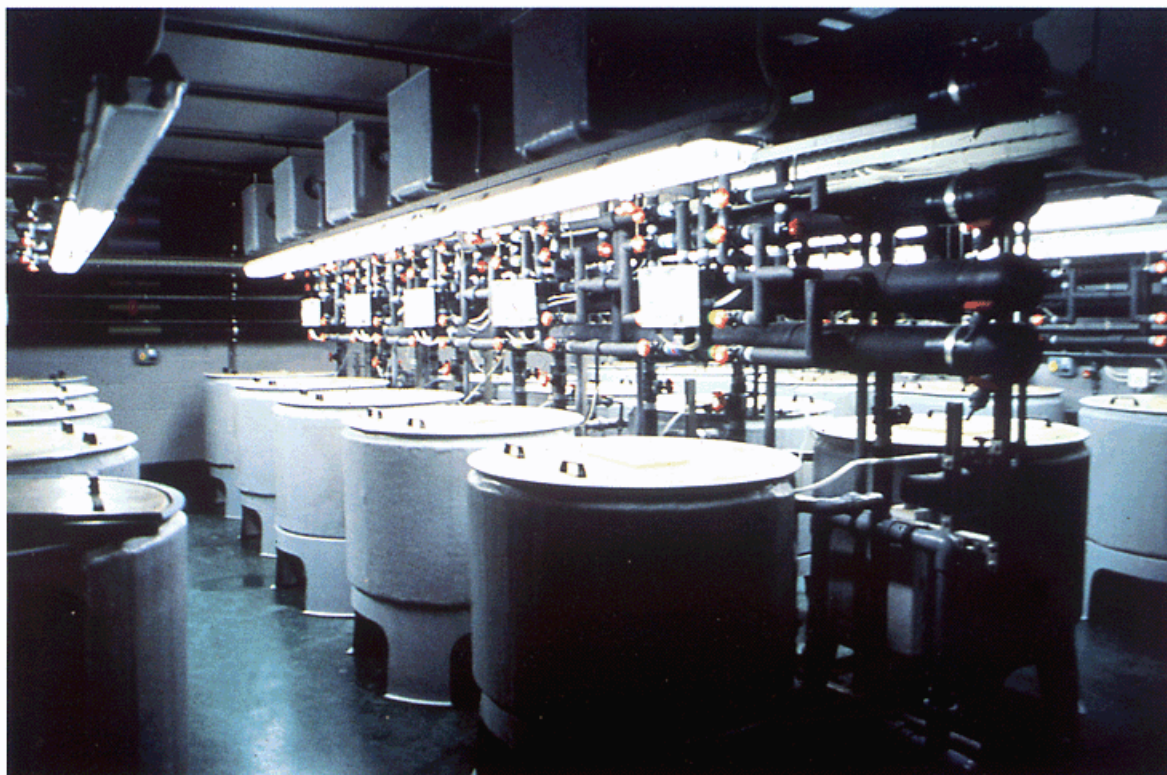




Aquarium Facilities for Contract Research and Trials

The CEFAS Weymouth offers modern, extensive, state-of-the-art experimental aquarium facilities using guaranteed water quality with precise independent computer control of water temperature and illumination for contract research and other studies on a wide range of fish and shellfish including salmonids, cyprinids, marine species and bivalves.



ESTABLISHED DISEASE CHALLENGES WITH VIRUS,
BACTERIA, FUNGI AND PROTOZOA

FEED-RELATED TRIALS, INCLUDING OPTIMAL
FEEDING REGIMES, EFFECTS OF NUTRIENTS

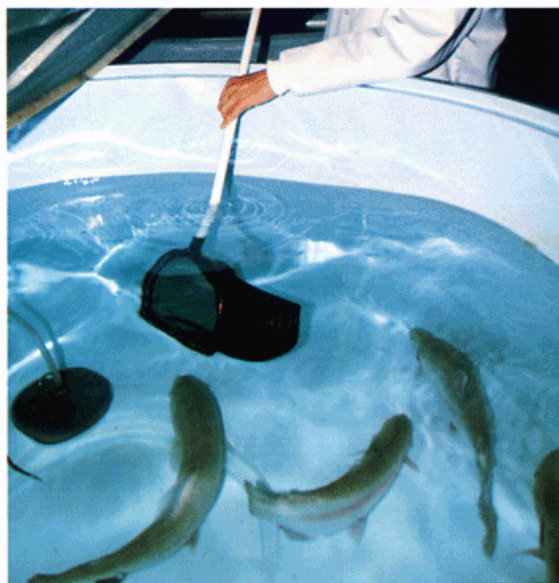
PHARMACOKINETIC AND RESIDUE STUDIES

DEPURATION SYSTEMS FOR BIVALVES USING
BACTERIA AND BACTERIOPHAGE

ACUTE AND CHRONIC EFFECTS OF POLLUTED
MARINE SEDIMENTS

Features

- Computer control of water temperature and illumination give precise and reproducible conditions.
- Arctic to tropical water temperatures.
- Marine and freshwater supplies allow studies on a wide range of species.
- Operated to GLP.
- Ozone and UV sterilisation mean any pathogen from anywhere in the world can be studied.
- Independently controllable tanks allow simultaneous studies.



Experience and Expertise

- More than 20 years of experience in holding fish under experimental conditions is reflected in the design of the aquarium suite, purpose built in 1994.

Research Support

- The dedicated tank facilities and their staff form part of a much larger laboratory team combining R&D activities with regulatory control in the field of fish health and hygiene.

Tank Specifications

- Tanks in three sizes: 140 x 50 litres, 58 x 350 litres and 30 x 1000 litres.
- Entirely flow-through single pass water system with up to 20 changes of water/day.
- Freshwater from dechlorinated potable borehole source supply.
- Seawater from Weymouth Bay of defined quality at 35‰ salinity and filtered to 15µm.

Conditions

- Day length and intensity of illumination separately programmable for each tank room.
- Computer controlled water temperatures to between 5°C and 30°C with stability of 0.1°C.
- Water temperature recording facilities at 10 minute intervals for up to 2 years available for all tanks.
- Salinity between 0 and 35‰.

Effluent Quality

- Tank effluent given ozone and UV sterilisation on discharge.
- Double ozone sterilisation available for pathogens exotic to UK.

Additional facilities at other CEFAS laboratories

- Raceways of 1 million litres.
- Outdoor tanks for pilot scale trials with mesocosms and artificial reefs.
- Adaptable broodstock, hatchery and nursery facilities.
- Freshwater pond systems in aquatic ecosystems.

For further information about any of our services or to discuss your needs with one of our specialists please contact