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UNC Chapel Hill Zebrafish Aquaculture Core (ZAC) Environmental Summary V.2

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Protocol status: Working
We use this protocol and it's working

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Keywords: zebrafish, Danio rerio, reproducibility, husbandry, fish, zebrafish aquaculture core, unc chapel hill zebrafish aquaculture core, zebrafish laboratory, environmental summary zebrafish, wide variation in husbandry practice, standard husbandry practice, husbandry practice, husbandry protocol, animal model, environmental parameter, popular animal model, including environmental parameter, husbandry condition

Abstract

Zebrafish (Danio rerio) are a popular animal model used in a variety of research areas. As with all animal models, husbandry conditions, including environmental parameters, nutrition, and exposure to pathogens can affect research results. Additionally, zebrafish are tolerant of a wide range of environmental parameters, which has led to wide variation in husbandry practices across facilities around the world. The lack of standard conditions across zebrafish laboratories may play a role in irreproducible experiments. Therefore, a summary of these conditions for the year 2017 have been compiled for the Zebrafish Aquaculture Core (ZAC) facility at the University of North Carolina (UNC) Chapel Hill with the aim to have this data included in research articles published using our fish. As more institutions publish husbandry protocols, standard husbandry practices may emerge.

Attachments

PDF

2017 TH Environmenta...

1.1MB

Troubleshooting