

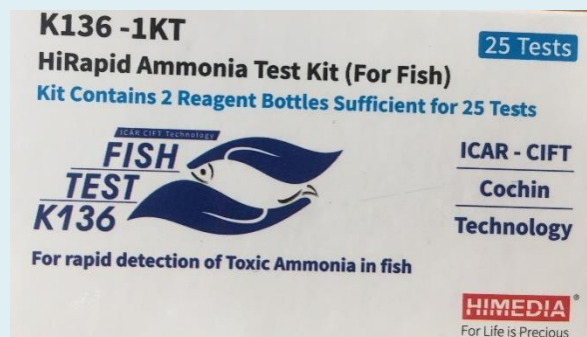
ICAR- CIFTEQ[®] Ciftest for Ammonia - For Rapid Detection Of Ammonia Adulteration In Fish

Salient features

- Food Safety and Standards Authority of India (FSSAI) approved rapid detection kit for checking adulteration of fresh fish with ammonia
- One kit includes 25 testing strips along with a reagent solution and a standard colour chart to assess the extent of contamination by visual observation
- The strip has to be scraped on the surface of fresh fish or fish meat, and then add one drop of the reagent solution on to the strip to see any color change
- The adulteration is indicated by development of blue color on the strip within 2 minutes

Advantages

- ✓ Non-destructive, quick, and simple test method
- ✓ No technical know-how is required
- ✓ Empowers consumers, traders as well as regulatory authorities for on-site testing of fish



Process

Smt. Priya, E. R., Dr. Laly, S. J., Dr. Satyen Kumar Panda, Dr. Ashok Kumar, K., Dr.

Technology /

Zynudhen, A. A., Dr. Joshi, C.G., and Dr. Ravishankar, C. N.,

Product

ICAR-Central Institute of Fisheries Technology (ICAR-CIFT), CIFT junction, Matsyapuri, P.

developed by

O., Willingdon island, Cochin-29

aris.cift@gmail.com, cift@ciftmail.org

Year

2017-2018

Source of funding

ICAR-CIFT

More

Status of commercialization / Patent / Publications

information

M/s HIMEDIA Laboratories Pvt. Ltd., Mumbai has been commercially producing CIFT test kits

under the nomenclature K136-1kt Hi rapid Ammonia test kit and supplying to various parts of India, viz. Kerala, Goa, Maharashtra, Madhyapradesh, Telangana, Andhrapradesh, Karnataka, Tamilnadu, Delhi, North east states, Jharkhand and West Bengal.

Priya E.R, Laly S.J, Panda S.K and Ashok Kumar. Rapid detection kits (CIFTest Kits) to check adulteration of formaldehyde and ammonia in fresh fish. Fishtech reporter Vol.4 No.1 January-June 2018, pp. 31.

Priya, E.R., Laly, S.J., Panda, S.K., Ashok Kumar, K., Zynudheen, A.A and Ravishankar, C.N (2018). CIFTest Rapid detection kit for adulterants in fresh fish (English/Hindi and Malayalam- brochures)

Technology transfer

Technology transferred to M/s HIMEDIA Laboratories Pvt. Ltd., Mumbai. India