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Development, characterization and application of a new epithelial cell line from caudal fin of *Pangasianodon hypophthalmus* (Sauvage 1878)

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Highlights

- *Pangasianodon hypophthalmus* culture has shown the fastest growth in aquaculture sector.
- An epithelial cell line designated as PHF, has been developed from caudal fin of this catfish.
- The cell line was successfully employed for cytotoxicity as well as transfection studies.
- The cell line will be useful for isolation of viruses and culture of intracellular bacteria from this species

Abstract

A cell line, designated as PHF, has been established from caudal fin of *Pangasianodon hypophthalmus*. The cell line was developed using explant method and PHF cells have been subcultured for more than 72 passages over a period of 14 months. The cells were able to grow at temperatures between 24 and 32°C, with an optimum temperature of 28°C. The

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