

Unique bio-mimicking "Fish-tail" bioagitator:

- highly efficient mixing without eddies
- free of cutting edges
- produces no shear stress



# 'FISH-TAIL' AGITATOR

Did you know, it took over 500 millions years for nature to develop a perfect fish tail for energy transmission in the water?

Only LAMBDA uses this know-how of nature to produce a unique Bio-mimicking "Fish-tail" bioagitator...

## Move it like a fish!

The agitating discs of the 'fish-tail' bioagitator are elastic and have the typical form of fish tails.

In analogy to a fish tail, this shape of the stirring disc produces an efficient energy transfer in liquid (culture medium).



Have you ever seen a fish moving with a propeller instead of a tail?



## Bioagitator - An optimal choice for cell culture

- ✓ Gentle and efficient mixing in both horizontal and vertical direction.
- ✓ No cutting edges and no eddies or turbulence formed during the agitation.
- ✓ Efficient medium circulation with the up and down movement of the fish-tail discs.
- ✓ Cells are not broken or destroyed due to the hydrodynamic shear stress.
- ✓ Optimal oxygenation and gas exchange in the medium (no air flooding).

