

# In-Situ SAMPLING PROBES



 **FLOWNAMICS**<sup>®</sup>

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# In-Situ Sampling Probes (Dip Tubes)

For analysis that requires cell-containing samples, Flownamics offers a line of stainless steel probes. These probes, or dip tubes, are autoclavable and can be used with glass, stainless steel, and single use vessels whether they be for research and development to full-scale production.

Like the Flownamics FISP F-series, the dip tubes are designed to fit 12 and 19 mm headplate ports but can also be adapted to other sizes if needed. They are also easy to maintain and require no operator training to use. These dip tubes can be used in fermentation or cell culture and can interface the vessel to various pieces of analytical equipment.

With its 1/32" inner diameter, this dip tube minimizes dead volume and purge requirements so that sampling size is kept as small as possible.

## Versatile

Use with fermentation and cell culture, for off-line or at-line analysis.

## Easy to Use

Insert the dip tube into the side or top port and immerse it into the broth or media to allow cell-containing samples to be pulled.

## Minimizes Dead Volume

With a 1/32" inner diameter, sampling can be done with consistency and accuracy while reducing flush time.

- Fit 12 and 19 mm headplate ports
- Immersion depths of 200, 350, and 500 mm
- 1/32" ID, 6 mm OD

## Our Commitment

### Full Service & Support

Great quality isn't just about the products, it includes support and service. At Flownamics, every Seg-Flow system is installed by our own engineers. We also provide on-site training and technical support so you can fully utilize your system across projects.

### Flownamics, Inc.

**800-932-6989**

[contact@flownamics.com](mailto:contact@flownamics.com)

[www.flownamics.com](http://www.flownamics.com)