



ENVIROCAM[®]

Vision Analysis System

"THE IN SITU VIEW"

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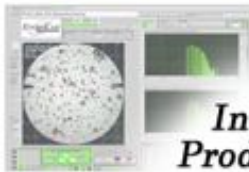
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**In Situ View
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[Demo of In Situ
EnviroCam Apps.](#)



Fig.1 Articulating and non-Articulating Envirocams

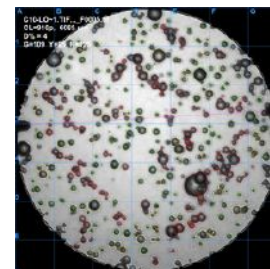


Fig.2 Bubble Analysis

Bio Reactor Characterization -

First order in situ observation, and bubble analysis for bio reactors. The Envirocam **BF3-SERIES R Bio Reactor Characterization System** offers a software analysis package (figure 2 & 3), and a new articulating shroud design. The shroud provides infinite adjustability and is adaptable to any port location (figure 1). For the characterization of bio reactors this means that you have the ability to measure and analyze bubble size distribution anywhere in the fermentor for more accurate KLa calculations.

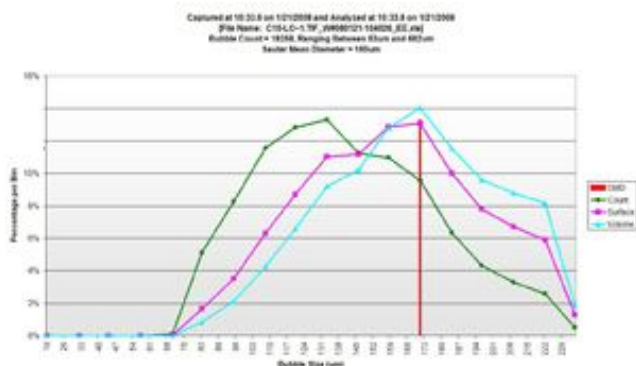


Fig.3 Sauter mean Analysis

Laser etched calibration markings enable simple and repeatable orientation. This analysis can be made while changing operational conditions such as spargers, air flow rates, agitator speeds, temperature, pressure and defoaming agents. This new articulating shroud design is autoclavable and can support additional instruments such as conductivity, capacitance, and ph. For detail information please call EnviroCam Inc. Steve Fetters at 267-664-7188.

[Demo of BF3-Series R EnviroCam.](#)

Beth Junker, Merck Rahway NJ, received an award from Springer Publications for the **“Best Paper of the Year 2007”** for the EnviroCam **“Feasibility of an in situ measurement device for bubble size and distribution Bioproc Biosyst Engin (2007) 30:313-326”**

<http://www.springer.com/chemistry?SGWID=0-135-6-170622-0>

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