



Sensitivity to size variation

METHOD

To determine the sensitivity of the Turbiscan technology to size variation, the following experiment is performed. We add to a suspension of 0.15µm latex (volume fraction: 1%) a given quantity (0.01%) of latex 0.3µm. The Turbiscan ONLINE enables to follow the evolution of the backscattering profile on line, in real time.

Application

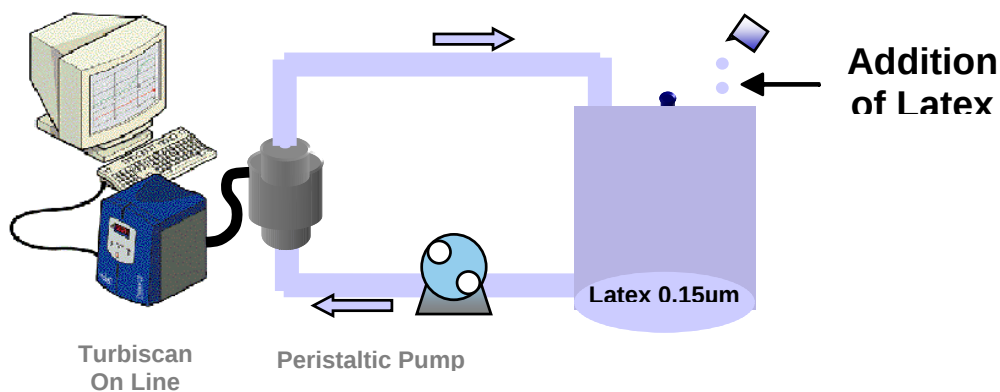
All domains

Objective

Study the sensitivity of the Turbiscan ONLINE

Device

TURBISCAN® ONLINE



RESULTS

Figure 1, the latex suspension (0.15µm, 0.1%) gives a backscattering flux of 58.5%. The addition of 1% latex 0.3µm leads to an increase of the signal of 0.5% up to 59%.

- A : 100% of latex 0.15µm
- B : 99 of latex 0.15µm + 1% of latex 0.3µm in weight