# Liquid-liquid extraction - theory and laboratory practice.

## Elsevier Pub. Co. - 4.5: Extraction Theory



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#### **EXTRACTION, LIQUID**

The conventional LLE technique requires large sample size 10—100 ml at least, which is usually not available in the biomedical field a possible exception is urine analysis.

### 4.2: Overview of Extraction

Thus the phase superficial velocities at the flood point, together with the associated dispersed phase holdup, may be determined from—once the value of the droplet characteristic velocity is known; the latter is readily obtained by plotting experimental holdup measurements in accordance with and measuring the slope of the linear plot.

# **EXTRACTION, LIQUID**

Contactors Contactors or extractors are specialized items of equipment designed to bring the feed and solvent phases together in such a manner that rapid transfer of the solute takes place from one phase to the other, followed by subsequent phase separation.

#### Extraction

It is accurate and efficient, and plays an irreplaceable role in the determination of CWAs and related substances. Prediction of limiting holdup and flooding rates.

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