

## Article Release

# $\mu$ DISS ProfilerPLUS™ and Miniaturized Dissolution

A series of three papers have been published in the area of Intrinsic Dissolution Rate (IDR) using the  $\mu$ DISS ProfilerPLUS instrument. These papers investigate small volume dissolution methods using rotating mini-disks<sup>1</sup> and powder API. The IDR values using sample size as low as 0.1 mg correspond to FDA results.

**PAPER 1:** *Pharm. Res.* **2008**, 25, 2613

Miniaturized Rotating Disk Intrinsic Dissolution Rate Measurement: Effects of Buffer Capacity in Comparisons to Traditional Woods Apparatus

**PAPER 2:** *Pharm. Res.* **2009**, 26, 2093

Powder Dissolution Method for Estimating Rotating Intrinsic Dissolution Rates of Low Soluble Drugs

**PAPER 3:** *Chem. Biodiv.* **2009**, in press

Miniaturization of Powder Dissolution Measurements and Estimation of Particle Size

### $\mu$ DISS ProfilerPLUS Product Features:



- Real time concentration monitoring
- Ultra low sample consumption
- Media sparing
- No filtration required
- 6 or 8 UV fiber optic probes
- Temperature controlled
- Applications
  - Solubility
  - IDR
  - Dissolution
  - Polymorph testing
  - Salt Selection
  - Excipient testing

### Ordering information:

$\mu$ DISS ProfilerPLUS™: Part Number: 120342

<sup>1</sup> Mini-IDR™ press: Part Number: 110406 (USA only, manufacturer: Heath Scientific; [www.heathscientific.com](http://www.heathscientific.com))

