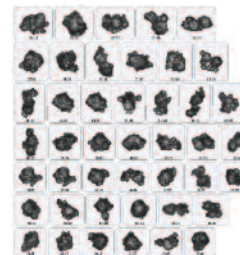


# Inhalation

www.inhalationmag.com  
August 2010      Volume 4      Number 4

Cover shows images of particles generated by a Malvern image analysis system. Malvern, Worcestershire, WR14 1XZ, UK. Tel: +44 1684 892456. www.malvern.com



## particle characterization

---

- Characterizing carrier-free DPI formulations 8  
*Janne Raula, Esko Kauppinen, Deborah Huck, Paul Kippax, and Anne Virden*
- Measuring particle adhesive ability 12  
*Sylvia Swandono, Andrew Otte, and M. Teresa Carvajal*
- Issue focus: Particle characterization 16

## particle manufacturing

---

- Q&A: Mechanical surface modification 18  
*C. C. Huang*
- Special section: Particle manufacturing 20

## also in this issue

---

- A new research network 22  
*Ben Forbes*

## departments

---

- |                           |    |               |         |
|---------------------------|----|---------------|---------|
| Industry news             | 5  | Supplier news | 24      |
| Respiratory medicine news | 6  | People news   | Cover 3 |
| Calendar                  | 24 |               |         |