



## MiniSpheres™ Oral Drug Delivery Platform for High and Bulky Dose

**MiniSpheres™** are LATITUDE Pharmaceuticals Inc.'s new oral drug delivery technology especially suited for high/bulky dose and/or sustained release applications. MiniSpheres™ are tiny spherical pellets (*~0.5 to 1.5 mm diameter*) that can be dispensed in a packet or a bottle.

Unlike bulky tablets, MiniSpheres™ are very easy to swallow – even in large quantities – because of their small, spherical, smooth shape. For oral dosing, the pellets may be sprinkled on food or mixed with water or flavored liquids to form a drinkable oral suspension, which may be ideal for pediatric applications and for patients with swallowing difficulties. Multi-gram dosing is possible with this approach. For low-dose drugs, the MiniSpheres™ may be dispensed in capsules.

Despite their small size, MiniSpheres™ can provide a sustained release profile, up to 24 hours *in vitro* – even for highly water-soluble drugs. The release profile is adjustable to meet most any dosing requirements. If needed, the taste-masking agents may be incorporated during their production.

### Key Features of MiniSpheres™

- Ideal for high dose (>1-2 grams) drugs
- Applicable for insoluble and highly water soluble drugs, nutraceuticals, and vitamins
- Converts multiple dosing/day to compliance-enhancing
- Once/day format
- Simple manufacturing process
- Manufacturable using conventional equipment
- Low cost of goods
- *Patent pending*

