

# Sandoz's Services in Drug Product Manufacture

## Cartridges (for Pen-systems)

- Automatic filling, semiautomatic labeling and packaging
- Cartridge size: 1.5 ml
- Throughput: 4000 cartridges/h

## Vials

- Automatic filling, labeling and packaging
- Vial size: 6 ml or larger
- Throughput: 2000 vials/h

## Bulk Lyophilization

- 2 state-of-the-art lyophilization facilities (1 x 13m<sup>2</sup> and 4 x 12m<sup>2</sup>)
- Drug substance quantities from several 100 grams up to multi kg batch size

