

## Application Brief

# Labeling Solutions Pharmaceutical and Biotechnology Industries

### Industry:

Pharmaceutical  
Biotechnology

### Products:

Duratron II polyester label  
Duratron II clean room polyester label  
Duratron II clean room polypropylene label  
Duratron II paper label  
Duratherm III paper label  
Duratron S label  
Duratron Kimdura label  
TMX2000 series ribbon  
TMX3000 series ribbon

### Region: North America

### Typical Applications:

- Cryogenic labeling
- Clean room labeling
- Vial and slide labeling
- Autoclavable labeling
- Asset tracking
- Shipping labels

### Customer Benefits:

- Consistent tracking for harsh conditions
- Industry-proven solutions currently in use
- Elimination of unreliable handwritten identification
- Broad product range to meet price/performance needs
- Stock items available for quick shipment

**Intermec**<sup>®</sup>  
Printers & Media



### Industry Need

The Health Industry Business Communications Council and the American National Standards Institute have developed the ANSI/HIBC standards for packed and item level bar coding for the health care industry. Bar code technology is a proven valuable tool for reducing labor costs, human error and automating data to improve the quality of patient care. Standards for proper identification can be found at <http://www.hibcc.org>. Analytical diagnosis begins with specimen analysis in laboratories that submit samples to extreme conditions such as centrifugal separation, cryogenic freezing or autoclave sterilization.

Extreme applications have been at the core of Intermec's business since the development of the bar code, with solutions ranging from pharmaceutical clean rooms designed for temporary ID to durable military code applications for transcontinental deployment.

### Intermec Solutions

Intermec's identification products address the industry's challenging requirements such as resistance to extreme temperatures, sensitivity to particle generation in clean room environments, and label durability when exposed to harsh chemicals. Many common configurations are in stock for quick shipment, ensuring that options are readily available when new demands arise. Custom products can be tailored to more unusual needs. With a comprehensive product set ranging from durable film labels to economical paper options, the right products are available to optimize performance and price across the enterprise.



## Intermec Media Products for Pharmaceutical and Biotechnology Industry

Application	Intermec Media Products
Cryogenic labeling (cryopreservation, vitrification, lyophilization)	Duratron II 2 mil gloss polyester labels develop strong adhesion to common substrates through liquid nitrogen exposure and repeated freeze/thaw cycling. <a href="#">Profile</a> <a href="#">Stock Items</a>
Clean room labeling	Duratron II clean room polyester and polypropylene labels are fully synthetic products cleaned during manufacturing to control particle generation in critical environments. Permanent and removable adhesives serve applications such as finished product ID and reusable work-in-process containers.
Solvent-exposed vial and slide labeling	Duratron II 2 mil gloss polyester labels endure a wide range of common exposures; (overlaminates can be used when needed for resistance to harsh solvents). <a href="#">Profile</a> <a href="#">Stock Items</a>
Test tube labeling	Duratherm III paper labels offer moderate durability for mostly dry, less challenging requirements. <a href="#">Profile</a> <a href="#">Stock Items</a>  Duratron S and Duratron II Kimdura labels readily resist wet environments. <a href="#">Profile</a> <a href="#">Stock Items</a>  Duratron II 2 mil gloss polyester labels provide high durability for wet, cold, abraded, or chemical-exposed applications. <a href="#">Profile</a> <a href="#">Stock Items</a>
Autoclavable labeling for tools/trays (film)	Duratron II 2 mil gloss polyester labels survive steam and temperatures up to 150C. <a href="#">Profile</a> <a href="#">Stock Items</a>
Asset Tracking	Duratron S and Duratron II Kimdura labels readily resist wet environments. <a href="#">Profile</a> <a href="#">Stock Items</a>  Duratron II 2 mil gloss polyester labels provide high durability for wet, cold, abraded, or chemical-exposed applications. <a href="#">Profile</a> <a href="#">Stock Items</a>
Shipping Labels	Duratron II paper labels provide high quality, cost-effective labeling for basic applications. <a href="#">Profile</a> <a href="#">Stock Items</a>

### Ribbon Recommendation

TMX3000 series resin (Duratron II 2 mil gloss polyester labels)  
TMX2000 series mid-range (All other thermal transfer labels)

### Printer Recommendation

PM4i [Profile](#)  
PF8d/t [Profile](#)

### For more information

Contact Intermec for solutions to critical tracking requirements across your enterprise.



Company Name  
123 Your Street  
City, State Zip  
123.456.7890  
info@YourURL.com  
www.YourURL.com



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