

Application Brief

Laboratory Slide Labeling



Industry
Healthcare

Products
INtegrity Slide Label
PC43/23
SG20

Region
North America

Typical Applications
Pathology, cytology, and
histology lab slide labeling

Customer Benefits

- Durable labels specifically designed to survive solvent and stain intensive processes
- Improved specimen traceability
- Durable, high contrast print for consistent scanning performance
- Reduced total cost of ownership with free printhead replacement program when Intermec media and fixed printers are used together
- On-demand generation of durable, high quality labels for specimen traceability
- Increased efficiency and productivity by printing at the point of activity
- Stock media items available for quick shipment

Industry Need

Accurate diagnosis of medical conditions establishes the foundation for successful treatment. Modern lab testing provides critical data used to determine the nature of an illness. In the healthcare environment, accurate bar-coded identification of samples is as important as the tests themselves, since inadequate marking methods can undermine the most technically competent lab. Handwritten identification or failure-prone labels can lead to delays, retesting, requirements for new specimens, or misdiagnosis.

Pathology labs have extreme conditions that can quickly damage or destroy conventional label materials. Routine exposure to aggressive solvents in processes such as fixing, deparaffinization, or staining can smear or destroy a printed image. These same processes may also attack the adhesive bond, increasing risk that the label in its entirety will be separated from the slide and sample.

Reference Links

The Joint Commission stresses proper identification of specimens and timely communication of results; both rely on accurate tracking methodologies.
http://www.jointcommission.org/assets/1/6/NPSG_Chapter_Jan2012_LAB.pdf

Intermec Solution

Intermec INtegrity Slide labels provide extreme durability to ensure accurate identification in the lab environment. The printed image's resistance to solvents such as xylene, alcohols, and stains ensures that labels offer consistent scanning performance through multiple sample processing stages. Crisp, high quality print allows use of high-resolution conventional 1D or newer 2D symbologies for data-rich marking on necessarily small labels. Aggressive adhesive maintains a firm bond with slide surface after solvent soaking, resisting flagging and slipping. Direct thermal printing simplifies HIPAA compliance while maximizing ease of use.

With easy-to-deploy PC series printers for distributed workstation printing, workers eliminate inefficient trips to a single dedicated lab slide printer and an opportunity to misallocate multiple print orders. The printers' small footprint provides efficient use of space in lab settings. Intuitive printer display helps users quickly understand and troubleshoot printing problems, smoothing workflows and eliminating the need to call for IT support.

Media Solutions for Laboratory Slide Labeling

Application	Material	Durability	Desktop Printers
Tracking of microscope specimen slides through processing and analysis	INtegrity Slide labels	Excellent resistance to Xylene, acetic acid solution (4%), IPA, Water, Toluene, Hexane, Eosin stain, Ethanol, Clear Rite, and other common solvents and stains (1 hour soak)	E27583 (.875x.875 finished 1 across); E27584 (4 across); E27585 (2 across)

Printer Recommendation

PC43/23 Desktop Printer PC43 Profile/PC23 Profile

- **Intuitive** – Easiest to Install & Use
 - Multi-language LCD or universal icon user interface
 - Step-by-step installation wizard
- **Flexible** – Fits your business today & tomorrow
 - Scalable connectivity & accessories
 - Choice of placement options – wall or cart mountable
- **Smart** – Keeps you informed & productive
 - Diagnostics through color display or icons
 - User installed upgrades & accessories
- Remote management

Scanner Recommendation

SG20 Healthcare 2D Imager Profile

- Perfect for the healthcare environment, with a white housing made of disinfectant-ready materials
- Integrated Intermec EA30 2D imager provides the industry's fastest omni-directional scanning to speed up the customer checkout process
- Ergonomic styling, with a natural smooth grip and trigger location, maximizes user comfort and saves countertop space
- High-intensity, large LED indicator provides effective visual operational feedback
- Range of models fit for the job—pick from Bluetooth™ wireless or corded (tethered) models, and your choice of either 1D or high-performance EA30 2D imaging.
- When an audible beep is not desired—for example, post-op or patient bedside—the scanner can be muted with just the LED indicator providing operator feedback
- Complete offering of accessories, including scan stands and holders
- Intermec EasySet software allows for quick, easy scanner customization
- Seamless integration with Intermec printers, mobile computers and software



The Intermec Advantage

In essential healthcare applications such as specimen slide labeling, it is critical that all elements of printing, labeling, and scanning systems perform flawlessly. Intermec printers and media are optimized to deliver superior performance when used together. Our rigorous testing and co-engineering ensures consistently high print quality, proven label and tag performance in demanding real-world environments, and maximum print head service life for reduced downtime.

Intermec printers, media, and scanners are complemented by the industry's only complete line of integrated solutions and services, including rugged mobile computers and RFID systems. Intermec products and services are used by customers worldwide to improve the productivity, quality and responsiveness of their business operations.

Printhead Replacement Program

Intermec will provide no cost replacement printheads, as failures occur due to normal wear and tear, to those customers who use Intermec Media Products exclusively with their Intermec direct thermal and thermal transfer fixed printers. For full details, click [here](#).

For more information

Contact Intermec for more information on improved slide traceability via on-demand thermal labeling.

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