Z-Xtreme™ 5000T

Stain-Resistant Labels for the Laboratory

Facts

- Patient identification errors occur in about 1 percent of laboratory samples and approximately 1 in 18 sample identification errors lead to an adverse event.[1]
- Each year, there are 160,900 adverse events in U.S. hospitals because of sample identification errors.[2]
- These incidents have a significant financial impact, with redraws, retesting and additional treatment costing the healthcare industry $200 to $400 million annually.[3]

Product Info

The durability of the labels utilized in the laboratory is a critical component of your patient safety system. If the label becomes unreadable, unscannable or falls off during testing, it can cause a sample identification error that could lead to an adverse event, re-testing, redraws and additional treatment.

Zebra's Z-Xtreme 5000T, coupled with our Image Lock™ ribbon, was designed to withstand the most common stains and chemicals found in laboratories—ensuring that the label does not discolor and the text and bar code remain readable and scannable during the label's useful life.

There are several different technologies being used today in the laboratory for microscope slide labeling. As you can see in the chart to the right, the use of thermal labels is the most durable and the lowest cost.

Technology	Etching	Thermal label	Handwritten
Equipment Cost	High	Low	Low
Label Cost	N/A	Low	N/A
Ease of Use	Quick and easy	Quick and easy	Time-consuming
Durability	High	High	High
Readability	Hard to read	Dark, crisp test	Depends on individual's handwriting
Scannability	High rate of inaccuracy	Quick and accurate	N/A

Zebra's Z-Xtreme 5000T withstands exposure to:

- Xylene
- 4% Acetic Acid
- Ammonia
- 100% Isopropyl Alcohol
- Toluene
- Hexane
- Harris Hematoxylin
- Eosin
- And many others

Unlike standard synthetic labels (shown on left), Z-Xtreme 5000T (shown on right) is resistant to stains

In addition, this material is compatible with our G-Series™ desktop printers. These printers are small and fit easily into busy work environments.

1 Paul N. Valenstein, RL Sirota "Identification errors in pathology and laboratory medicine," Archives of Pathology and Laboratory Medicine, Vol. 129, No. 10, pp. 1228-1233.

2 Paul N. Valenstein, MD, Stephen S. Raab, MD, Molly K.Walsh, PhD "Identification Errors Involving Clinical Laboratories: A College of American Pathologists Q-Probes Study of Patient and Specimen Identification Errors at 120 Institutions," Archives of Pathology and Laboratory Medicine: Vol. 130, No. 8, pp. 1106-1113.

3 Ibid.

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