The Cytogenetic department of a large NHS Foundation Trust needed slide labels that would withstand the various demands of tissue processing.

The laboratory required one set of slide labels that could offer maximum durability in freezer storage, water baths up to 120°C, wax processing and slide staining - with a preference that labels would not change color, to ensure barcodes could be clearly read by automated scanners.

The CILS’ 8100SRS material is designed for this solution, as its solvent-resistant properties allow labels to withstand repeated xylene submersion without disintegrating, as well as resisting formalin, ethanol (IMS / IDA) and other chemical fixatives. The label material maintains integrity between -40°C and +150°C, and resists discoloration from slide stains, keeping data clearly legible. Labels are printable using a standard thermal transfer printer and a CILS DRD grade ribbon, which is essential for this process.

Because of the versatile durability of the CILS-8100SRS label, the department takes the same label material for wellplates and high-density tubes, increasing the convenience of printing as thermal transfer printer ribbons no longer need to be changed for different media.

The CILS-8100SRS material is part of the CILS Laboratory Slide Label range of products.

For more information, please contact: Sarah James, Technical Labeling Specialist on +1 877-512-8763 or s.james@cils-international.com

About CILS International

CILS International leads innovation within the durable labeling industry, manufacturing computer imprintable labels for customers worldwide, and providing comprehensive ID solutions – including label design software, thermal transfer printers and printer ribbons.

CILS manufactures the widest range of durable labeling materials, and the Label Technology Center (LTC) can also construct labels perfectly matched to your solution. Available for laser or thermal transfer printers, labels are made in any shape or size, pre-printed or left blank as per your requirements. The CILS Label Printing Service is also available to print your variable data onto labels for you.

CILS International operates from a state of the art manufacturing facility and supplies label solutions worldwide.
CILS have worked with Cancer Research to create a durable, printable label for identifying microslides during manual, xylene-based tissue processing.

The laboratory’s existing labels were inadequate for their standard deparaffinization protocols; separating from the adhesive, disintegrating and causing vital data to be lost.

While several solvent-resistant label materials exist, most are constructed for automated processes where the xylene, acetone or similar agent will have evaporated before slides are handled by a technician. In the case of the Cancer Research laboratory, manual tissue processing means slides are handled while wet with xylene, causing printed data to smudge on these labels.

To achieve maximum print resistance in this application, the solution was the CILS-8100-USRS label material printed with a CILS RRD grade thermal transfer printing ribbon. It is compatible with standard thermal transfer printers, and provided the Cancer Research laboratory with permanent slide labels that would keep print clear in organic solvents, IMS, IDA and temperatures up to +150°C.

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CILS International manufacture durable labeling solutions for all laboratory environments and processes.

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