

FORMULA 83™

Doing Good while Saving Money!

CUSTOMER TESTIMONIAL

As the Laboratory Manager for the high-volume Tennessee Urology Associates practice, Karen Adams is the decision maker for all processes and chemicals used in the histopathology and cytology sections of the lab. Since 2008 they have utilized CBG's Formula 83™ throughout their processing and staining protocols.

Initially they made the choice to use Formula 83™ on their staining platform so that cover slipping did not interfere with grossing, as the lab had one chemical hood. The decision was made for health benefits as they were unable to keep occupational exposure for xylene under 100 ppm/ shift without using the hood. Tennessee Urology then incorporated Formula 83™ in their processing protocols. The processing programs use two changes of Formula 83™ for clearing for three different processing programs:

- 1 hour 45 minute program for prostate and bladder biopsies
- 6 hour program for vas deferens
- 12 hour run for larger specimens.

Formula 83™ is also used for their clean cycle and performs as well as xylene. In addition Tennessee Urology recycles their Formula 83™ with a solvent recycling system from CBG, as well as their alcohols.



"AS A LABORATORY MANAGER FOR BOTH CLINICAL AND ANATOMIC LABS, TIME AND COST SAVINGS ARE PARAMOUNT. WHEN IT COMES TO SERVICE I CANNOT SPEAK HIGHLY ENOUGH OF THE TEAM AT CBG. I AM ALWAYS ABLE TO REACH SOMEONE WHENEVER AND FOR WHATEVER. I CANNOT SPEAK HIGHLY ENOUGH OF THIS PRODUCT OR THE SUPPORT PROVIDED BY CBG."

**KAREN ADAMS
LABORATORY MANAGER
TENNESSEE UROLOGY ASSOCIATES**

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OVERVIEW OF XYLENE SUBSTITUTES

TYPE OF SOLVENT	BRAND NAMES
Naphthenic Hydrocarbons	Formula 83™
d-Limonene	Americlear, Bioclear, Clearene, Hemo-DE, HistoClear, HistoSolve X, Master Clear, SafetySolv
Aliphatic Hydrocarbons	Clarify, Clearing 100, Clear Rite 3, Isopar L, Micro-Clear, Micro-Clear-HC, Micro-Clear-R, Paraclear, Safe Clear, Safe Clear II, Shandon XY, Slide-Brite, Xy-Less, XS-3, Sub-X
Aliphatic-Glycol Ether	Propar*

HOW DOES FORMULA 83™ COMPARE TO XYLENE AND OTHER XYLENE SUBSTITUTES

Solvent Comparisons: < 1.0 = superior to xylene > 1.0 = inferior to xylene	Formula 83™	Xylene	d-Limonene	Aliphatic Solvents	Aliphatic w/ Glycol Solvents
Odor & noxiousness	Low	Moderate	High	Low	Low
Associated toxicities	Non-toxic	High Risk	Moderate Risk	Non-toxic	Non-toxic
Comparative speeds for dissolving paraffin	0.4-0.6	1.0	0.7 - 0.9	1.1 - 1.3	1.2 - 1.3
Comparison of paraffin solubility	0.8-1.0	1.0	0.8 - 1.0	1.5 - 1.7	1.5 - 1.7
Comparison of drying times	0.3-0.4	1.0	1.8 - 2.0	1.1 - 1.3	1.6 - 1.8

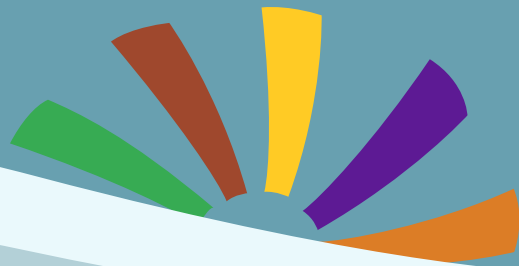


*SAFE TO USE
 *FASTER DEPARAFFINIZATION
 *HIGHER PARAFFIN SOLUBILITY
 *NO STICKING OF SLIDES
 *NO NEED FOR BADGE-TESTING

*BETTER LIPID EXTRACTION
 *BETTER IMMUNO SLIDES
 *DOES NOT HARDEN TISSUES
 *SHORTER CLEARING TIMES

*CLEARER SLIDES
 *FASTER DRYING
 *FASTER RECYCLING
 *NO ORANGE SMELL

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SLIDE DESCRIPTIONS

TOP & MIDDLE LEFT:

Prostate H and E and IHC

TOP RIGHT:

Penile Lesion Squamous Cell Ca

MIDDLE RIGHT:

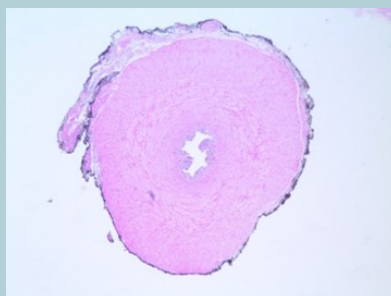
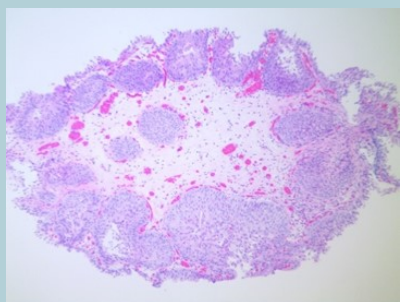
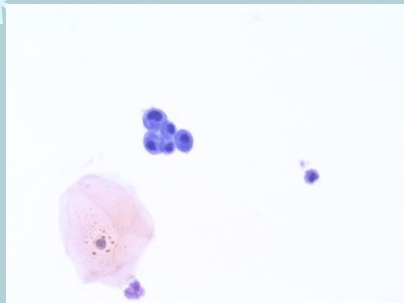
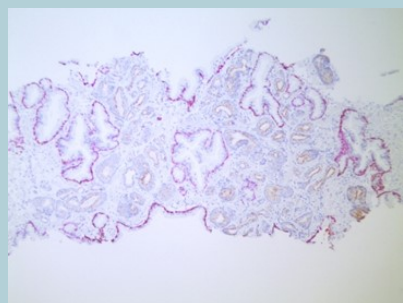
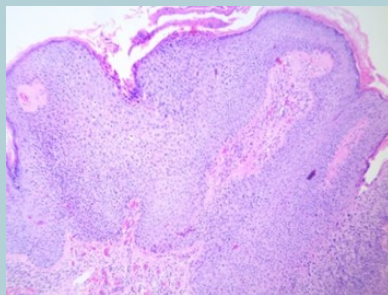
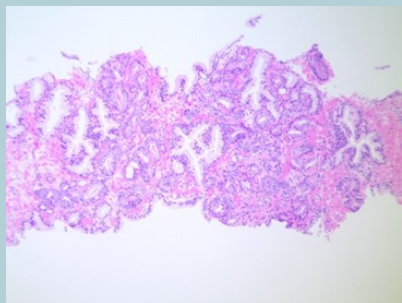
Pap Stain

BOTTOM LEFT:

Bladder

BOTTOM RIGHT:

Vas Deferens w/ Ink



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