



INSTRUCTIONS FOR THE USE OF

The Davidson Marking System®

Bradley Products, Inc.

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The Davidson® marking dyes are used to mark and orient surgical and other tissue specimens submitted for histopathology.

Never apply any of the dye materials to a living patient. Only use them on tissue which has been removed. These are pigments which if placed in the living tissue will cause permanent coloration.

There are a variety of other uses for these dyes. None should be tried without appropriate laboratory investigation first.

The normal application of these dyes is to mark surgical tissue margins. The dyes are most effective when applied to fresh tissue, but work well when applied to tissues already fixed in formalin. Fresh tissue should be patted dry. Fixed tissues should be wiped gently to remove the fluids covering the tissue surfaces. The dyes can be applied in a variety of fashions. Many have found it useful to use wooden orange sticks. The stick is dipped into the dye, the orange stick is scraped along the bottom, excess fluid is removed from the stick by touching it to the top of the bottle and the side of the stick is applied to the appropriate tissue margin. If large surfaces are to be dyed, a cotton-tipped applicator is often useful. This too can be dipped into the dye and then the dye painted on the tissue surface.

ALWAYS SHAKE THE BOTTLE PRIOR TO USE.

The dyes require 2 to 5 minutes to bond to the tissue surface and should be left alone for this period of time. It is not necessary to dry the tissue (such as with a hair dryer). Simply allowing them to sit in the open air is sufficient. The tissue can then be placed in a cassette and put in formalin for permanent fixation or can be placed on a chuck and prepared for frozen section. Only small amounts of dye are necessary for effective marking.

Note on Processing Fatty Tissue

Adherence of marking dyes to fatty tissue, especially for frozen sections, can be a challenge. A recent observation by Brian Datnow, M.D., a pathologist at UCSD, improves this issue. The tissue surface can be defatted with acetone prior to dye application. Squirt or spray a little acetone from a squeeze bottle onto the tissue surface. Pat dry and then apply the dyes and process in the usual fashion, both for frozen and permanent sectioning. This is especially effective for breast and subcutaneous tissues.

AFTER USE, THE CAPS SHOULD BE KEPT ON THE BOTTLES, FOR WHEN THE MATERIALS DEHYDRATE THEY WILL BECOME INEFFECTIVE. DO NOT DILUTE OR ATTEMPT TO RECONSTITUTE THE DYES.

The following represents a typical MOHS marking application. Imagine a 2cm diameter circular piece of skin removed in the excision of a skin cancer (as noted in the illustration below). The tissue is cut into 4 appropriate-sized pieces and prepared for frozen section. The pathologist maintains precise orientation for each piece of tissue. The dyes are applied to the various tissue surfaces and a map is made documenting this application and orientation. Different symbols are used for each color. It is best to develop a consistent set of symbols. Commonly used symbols are shown in the figure below.

An alternate application system is to put an ounce of dye into a small plastic squeeze bottle such as those that contain oil for oil immersion microscopy. The dye can then be placed on the tissue simply by squeezing the bottle and rubbing the tip of the spout along the tissue.



To Order
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Or, you may place your order by:

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Pricing effective February 1, 2008

Item #	Description	Price
Complete Davidson Marking Systems®		
2407	NEW 7-color System 2 oz. (all 7 colors)	\$134.00
2406	6-color System (green, yellow, black, red, blue, orange)	\$114.00
2401	5-color System (green, yellow, black, red, blue)	\$99.00
2403	3-color System (choose colors)	\$77.00
1207	NEW 7-color System 1 oz. (all 7 colors)	\$89.00
1007	NEW 7-color System 3cc MINI (3 of ea color)	\$60.00 until 9-1-08: \$54.00
Individual Dyes		
x=color: 1-green, 2-yellow, 3-black, 4-red, 5-blue, 6-orange, 7-violet		
1013-(x)	NEW 3cc MINI dyes (each color - 40 pieces)	\$80.00 until 9-1-08: \$72.00
1101-(x)	NEW 1 oz. dye (each color)	\$16.00
1163-(x)	2 oz. dye (each color)	\$25.00
3408-(x)	8 oz. dye (each color)	\$60.00
7365-(x)	NEW 16 oz. dye (each color) (includes wide mouth jar and ten 1 inch brushes)	\$110.00
Wood Holding Trays		
1877	NEW 7-dye Tray - holds 2 oz. bottles	\$26.00
1866	6-dye Tray - holds 2 oz. bottles	\$23.00
1873	5-dye Tray - holds 2 oz. bottles	\$20.00
1833	3-dye Tray - holds 2 oz. bottles	\$16.50
1817	NEW 7-dye Tray - holds 1 oz. bottles	\$20.00
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8554	Brush Caps for 2 oz. bottles (bag of 10)	\$7.50
8555	Tapered end cotton tipped sticks (250)	\$16.00
8556	Round end cotton tipped sticks (250)	\$15.00
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5364	Complete Cryocup® System (4 Cryocups, 1 Cryocup holder)	\$189.95
5360	Cryocup® only (each)	\$39.95
5361	Cryocup® holder only (each)	\$99.95
6601	Davidson® Small Specimen Kit (Set of green, red & blue 1 oz. bottles with applicator caps, wood tray, and 250 cassette papers.)	\$44.95
6605	Refill packet of 500 cassette papers	\$9.95