



# Pragostem

## HYDROPHILIC PLUS SLIDES

Podložní sklíčka s modifikovaným  
povrchem pro dokonalejší přilnavost tkáně

- ▶ určeno speciálně pro molekulární patologii (IHC, ISH)
- ▶ vysoká odolnost tkáně při tepelně indukovaném odhalení epitopu (HIER)
- ▶ silně hydrofilní povrch oproti velké většině komerčně dostupných sklíček s povrchovou úpravou
- ▶ výborná adheze a retence tkáně 95 - 100%
- ▶ Made in U.S.A. Bio SB



Kat. č.	Název
BSB 7028	Hydrophilic Plus Slides, Box 100 ks (Bio SB, USA)
BSB 7011	Superfrost Plus Slides, Box 72 ks (Fischer Scientific, USA)
BSB 7012	Colorfrost Slides, Box 72 ks (Fischer Scientific, USA)
BSB 7013	Capillary-gap Slides width: 130um; Color, Gold (Fischer Scientific, USA)
BSB 7014	Cytology, Microscope Slides, Box 72 ks (Fischer Scientific, USA)
BSB 7006	Probe On Plus Slides, Box 72 ks (Fischer Scientific, USA)
BSB 7007	Probe On Slides, Box 72 ks (Fischer Scientific, USA)

Kontakt:



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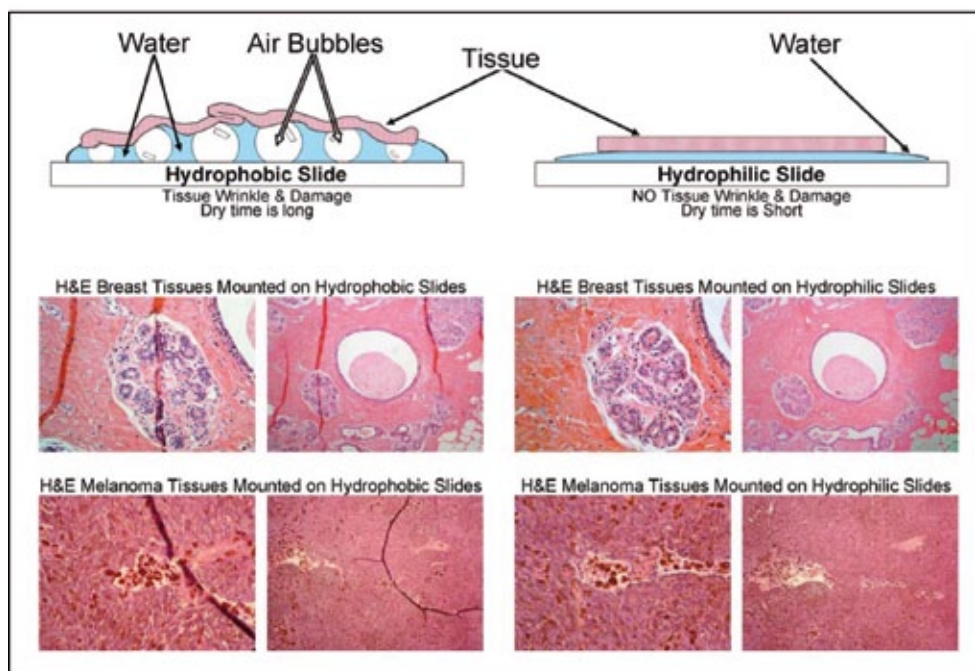
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## WATER AND AIR BUBBLES TRAPPING, TISSUE DAMAGE AND WRINKLING AFTER MOUNTING TISSUES ON HYDROPHOBIC AND HYDROPHILIC SLIDES



Reduced water to slide surface contact angles for hydrophilic slides (when compared to standard hydrophobic charged slides) allows water to form a single thin continuous layer rather than a layer of water drops separated by air bubbles. This prevents micro air bubbles from being captured under tissue section and, in turn, reduces possible artifacts, such as bubbles or water drops, that can interfere with tissue attachment to the slide. Generally, a more uniform and thinner layer of water under the cut tissue section results in less trapping of bubbles and tissue wrinkling and facilitates faster drying after mounting on Hydrophilic Plus slides.

## PRESENTAGE OF TISSUE RETENTION AND IHC SIGNAL OF THE DIFFERENT EXPERIMENTAL SLIDES

Slide Name	Brand	Tissue Retention	IHC Signal/Background
Hydrophilic Plus	Bio SB, Inc	90 – 100%	3 - 4 / +
Superfrost Plus	Company A	10 – 50%	3 - 3+ / +
Probe On Plus	Company A	10 – 50%	3 - 3+ / +
Color Mark	Company B	5 – 40%	3 - 3+ / +
Snow Coat X-tra	Company C	5 – 30%	3 - 3+ / +
Silanized	In-House	5 – 40%	3 - 3+ / +

Tissue adhesion (after HIER) was measured on various types of microscope slides. The results showed that Hydrophilic Plus slides had the highest percentage of tissue retention (90–100%)

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