

## iSpacer® (imaging Spacer)

An imaging spacer keeping the biological tissue in good shape

### INTRODUCTION

iSpacers are made from adhesive tapes in different thickness. Simply press a spacer to a microscope slide or coverslip, a sealed watertight well is formed to contain RapiClear in place and prevents evaporation. The well is sturdy and provide supreme support to thick and free-floating specimens, allowing preservation of tissues' delicate internal structures without compression. To better fulfil the user's different application needs, iSpacers not only come in various thicknesses, there are also iSpacers with single-sided stickers, as well as double-sided stickers. Utilizing these various designs, iSpacers can be stacked to create different depths desired for direct use with confocal microscopy.

### OPERATION

#### Single-sided sticky iSpacers

1. Clean the microscope slide and coverslip (size: 22 x 22 mm, 22 x 30 mm, 24 x 32 mm, or 24 x 40 mm) by Kimwipes
2. Peel off the protective liner from the iSpacers
3. Apply the spacer, with the exposed, tacky side down, onto the dry surface of the slide or coverslip.
4. Press gently to seal
5. To increase the sample well depth, add multiple spacers
6. Place the specimen within the well
7. Add appropriate amount of RapiClear® into the sample well
8. Seal the sample well by placing a coverslip
9. Press gently around the edges of the coverslip to ensure a safety seal
10. Carefully remove the exceeding solution from the well with Kimwipes
11. The area outside the well can be sealed with clear nail-polish to form a hard film

#### Double-sided sticky iSpacers

1. Clean the microscope slide and coverslip (size: 22 x 22 mm, 22 x 30 mm, 24 x 32 mm, or 24 x 40 mm) by Kimwipes
2. Peel off the protective liner from the iSpacers
3. Apply the spacer, with the exposed, tacky side down, onto the dry surface of the slide or coverslip.
4. Press gently to seal
5. To increase the sample well depth, add multiple spacers
6. Place the specimen within the well
7. Add appropriate amount of RapiClear® into the sample well
8. Peel off the other liner and seal the sample well by placing a coverslip
9. Press gently around the edges of the coverslip to ensure a safety seal
10. Carefully remove the exceeding solution from the well with Kimwipes
11. The area outside the well can be sealed with clear nail-polish to form a hard film

### LAYOUT

	Rectangular well		1 circular well		4 circular wells	
Dimensions (mm)						
	<b>Cat# (Quantity)</b>	<b>Thickness (mm)</b>	<b>Cat# (Quantity)</b>	<b>Thickness (mm)</b>	<b>Cat# (Quantity)</b>	<b>Thickness (mm)</b>
Single-sided sticky	IS101 (50/pack)	0.15	IS301 (50/pack)	0.15	IS006 (50/pack)	0.15
	IS111 (250/pack)		IS311 (250/pack)		IS015 (250/pack)	
	IS001 (50/pack)	0.2	IS302 (50/pack)	0.2	IS007 (50/pack)	0.2
	IS010 (250/pack)		IS312 (250/pack)		IS016 (250/pack)	
	IS002* (50/pack)	0.5	IS303 (50/pack)	0.35	IS008* (50/pack)	0.5
	IS011* (250/pack)		IS313 (250/pack)		IS017* (250/pack)	
IS003* (50/pack)	1.0	IS304 (50/pack)	0.55	IS009* (50/pack)	1.0	
IS012* (250/pack)		IS314 (250/pack)		IS018* (250/pack)		
Double-sided sticky	<b>Cat# (Quantity)</b>	<b>Thickness (mm)</b>	<b>Cat# (Quantity)</b>	<b>Thickness (mm)</b>	<b>Cat# (Quantity)</b>	<b>Thickness (mm)</b>
	IS201 (50/pack)	0.05	IS305 (50/pack)	0.05	IS204 (50/pack)	0.05
	IS211 (250/pack)		IS315 (250/pack)		IS214 (250/pack)	
	IS203 (50/pack)	0.25	IS306 (50/pack)	0.1	IS206 (50/pack)	0.25
	IS213 (250/pack)		IS316 (250/pack)		IS216 (250/pack)	
	IS004 (10/pack)	3.0	IS307 (50/pack)	0.3		
	IS013 (100/pack)		IS317 (250/pack)			
	IS005 (10/pack)	7.0				
IS014 (50/pack)						



[Demonstration](#)  
in YouTube

\*one pack of #IS201 or #IS211 inside; \*\* one pack of #IS204 or #IS214 inside.

### STORAGE

Avoid compression and store at room temperature (cannot autoclave). iSpacers are not compatible with organic solvents.

## PRODUCT LIST

Current prices may be obtained from our website ([www.sunjinlab.com](http://www.sunjinlab.com)) or from our distributor

Cat. #	Number of Wells	Well Size and Depth (mm)	Volume per Well (µl)	Quantity (piece)
<b><i>Single-sided sticky</i></b>				
IS101	1	26 x 16, <u>0.15 deep</u>	75	50/pack
IS111 (value pack)				250/pack
IS001	1	26 x 16, <u>0.2 deep</u>	100	50/pack
IS010 (value pack)				250/pack
IS002	1	26 x 16, <u>0.5 deep</u>	250	50/pack
IS011 (value pack)				250/pack
IS003	1	26 x 16, <u>1.0 deep</u>	500	50/pack
IS012 (value pack)				250/pack
IS301	1	Φ 16, <u>0.15 deep</u>	40	50/pack
IS311 (value pack)				250/pack
IS302	1	Φ 16, <u>0.2 deep</u>	50	50/pack
IS312 (value pack)				250/pack
IS303	1	Φ 16, <u>0.35 deep</u>	90	50/pack
IS313 (value pack)				250/pack
IS304	1	Φ 16, <u>0.55 deep</u>	145	50/pack
IS314 (value pack)				250/pack
IS006	4	Φ 7, <u>0.15 deep</u>	12	50/pack
IS015 (value pack)				250/pack
IS007	4	Φ 7, <u>0.2 deep</u>	15	50/pack
IS016 (value pack)				250/pack
IS008	4	Φ 7, <u>0.5 deep</u>	35	50/pack
IS017 (value pack)				250/pack
IS009	4	Φ 7, <u>1.0 deep</u>	75	50/pack
IS018 (value pack)				250/pack
<b><i>Double-sided sticky</i></b>				
IS201	1	26 x 16, <u>0.05 deep</u>	25	50/pack
IS211 (value pack)				250/pack
IS203	1	26 x 16, <u>0.25 deep</u>	125	50/pack
IS213 (value pack)				250/pack
IS004	1	26 x 16, <u>3.0 deep</u>	1,500	10/pack
IS013 (value pack)				100/pack
IS005	1	26 x 16, <u>7.0 deep</u>	3,500	10/pack
IS014 (value pack)				50/pack
IS305	1	Φ 16, <u>0.05 deep</u>	13	50/pack
IS315 (value pack)				250/pack
IS306	1	Φ 16, <u>0.1 deep</u>	26	50/pack
IS316 (value pack)				250/pack
IS307	1	Φ 16, <u>0.3 deep</u>	80	50/pack
IS317 (value pack)				250/pack
IS204	4	Φ 7, <u>0.05 deep</u>	4	50/pack
IS214 (value pack)				250/pack
IS206	4	Φ 7, <u>0.25 deep</u>	18	50/pack
IS216 (value pack)				250/pack