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. The specimen and spacer can be sandwiched between two coverslips. 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

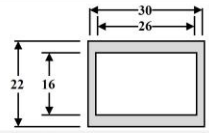
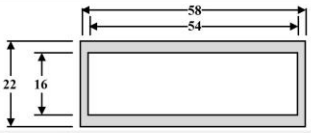
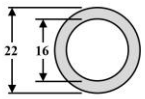
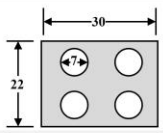
Single-sided sticky iSpacers

1. Clean the microscope slide and coverslip (size: 22 x 22 mm, 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, 24 x 32 mm, 24 x 40 mm, or 24 x 60 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

LAYOUT

	Rectangular well	Ex-Rectangular well	Circular well	4 circular wells
Dimensions (mm)				
Double-sided sticky	Cat# (Quantity) / Thickness (mm) IS201 (50/pack) IS211 (250/pack) 0.05 IS203 (50/pack) IS213 (250/pack) 0.25 IS004 (10/pack) IS013 (100/pack) 3.0 IS005 (10/pack) IS014 (50/pack) 7.0	Cat# (Quantity) / Thickness (mm) IS4010 (50/pack) IS4110 (250/pack) 0.1 IS4020 (50/pack) IS4120 (250/pack) 0.2 IS4025 (50/pack) IS4125 (250/pack) 0.25 IS4030 (50/pack) IS4130 (250/pack) 0.3 IS4040 (10/pack) IS4140 (100/pack) 0.4	Cat# (Quantity) / Thickness (mm) IS305 (50/pack) IS315 (250/pack) 0.05 IS306 (50/pack) IS316 (250/pack) 0.1 IS308 (50/pack) IS318 (250/pack) 0.25 IS307 (50/pack) IS317 (250/pack) 0.3 IS309 (50/pack) IS319 (250/pack) 0.4 IS330 (10/pack) IS331 (100/pack) 3.0	Cat# (Quantity) / Thickness (mm) IS204 (50/pack) IS214 (250/pack) 0.05 IS206 (50/pack) IS216 (250/pack) 0.25
Single-sided sticky	Cat# (Quantity) / Thickness (mm) IS101 (50/pack) IS111 (250/pack) 0.15 IS001 (50/pack) IS010 (250/pack) 0.2 IS002* (50/pack) IS011* (250/pack) 0.5 IS003* (50/pack) IS012* (250/pack) 1.0		Cat# (Quantity) / Thickness (mm) IS301 (50/pack) IS311 (250/pack) 0.15 IS302 (50/pack) IS312 (250/pack) 0.2 IS303 (50/pack) IS313 (250/pack) 0.35 IS304 (50/pack) IS314 (250/pack) 0.55	Cat# (Quantity) / Thickness (mm) IS006 (50/pack) IS015 (250/pack) 0.15 IS007 (50/pack) IS016 (250/pack) 0.2 IS008** (50/pack) IS017** (250/pack) 0.5 IS009** (50/pack) IS018** (250/pack) 1.0

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.

For research use only. Not for use in diagnostic procedures

PRODUCT LIST

Current prices may be obtained from our website (*www.sunjinlab.com*) or from our distributor.

Cat. #	Number of Well	Well Size and Depth (mm)	Volume per Well (µl)	Quantity (piece/pack)
Single-sided sticky				
IS101 IS111 (value pack)	1	26 x 16, 0.15 deep	75	50 250
IS001 IS010 (value pack)	1	26 x 16, 0.2 deep	100	50 250
IS002 IS011 (value pack)	1	26 x 16, 0.5 deep	250	50 250
IS003 IS012 (value pack)	1	26 x 16, 1.0 deep	500	50 250
IS301 IS311 (value pack)	1	Φ16, 0.15 deep	40	50 250
IS302 IS312 (value pack)	1	Φ16, 0.2 deep	50	50 250
IS303 IS313 (value pack)	1	Φ16, 0.35 deep	90	50 250
IS304 IS314 (value pack)	1	Φ16, 0.55 deep	145	50 250
IS006 IS015 (value pack)	4	Φ7, 0.15 deep	12	50 250
IS007 IS016 (value pack)	4	Φ7, 0.2 deep	15	50 250
IS008 IS017 (value pack)	4	Φ7, 0.5 deep	35	50 250
IS009 IS018 (value pack)	4	Φ7, 1.0 deep	75	50 250
Double-sided sticky				
IS201 IS211 (value pack)	1	26 x 16, 0.05 deep	25	50 250
IS203 IS213 (value pack)	1	26 x 16, 0.25 deep	125	50 250
IS004 IS013 (value pack)	1	26 x 16, 3.0 deep	1,500	10 100
IS005 IS014 (value pack)	1	26 x 16, 7.0 deep	3,500	10 50
IS4010 IS4110 (value pack)	1	54 x 16, 0.1 deep	90	50 250
IS4020 IS4120 (value pack)	1	54 x 16, 0.2 deep	180	50 250
IS4025 IS4125 (value pack)	1	54 x 16, 0.25 deep	225	50 250
IS4030 IS4130 (value pack)	1	54 x 16, 0.3 deep	270	50 250
IS4040 IS4140 (value pack)	1	54 x 16, 0.4 deep	360	50 250
IS305 IS315 (value pack)	1	Φ16, 0.05 deep	13	50 250
IS306 IS316 (value pack)	1	Φ16, 0.1 deep	26	50 250
IS307 IS317 (value pack)	1	Φ16, 0.3 deep	80	50 250
IS308 IS318 (value pack)	1	Φ16, 0.25 deep	65	50 250
IS309 IS319 (value pack)	1	Φ16, 0.4 deep	110	50 250
IS330 IS331 (value pack)	1	Φ16, 3.0 deep	780	10 100
IS204 IS214 (value pack)	4	Φ7, 0.05 deep	4	50 250
IS206 IS216 (value pack)	4	Φ7, 0.25 deep	18	50 250