

Silicone Isolators

Products Description

Name: Silicone Isolators

| Red or Black silicone | 0.5 to 2.5mm thick | 0 to 24 wells
| No adhesive , or Adhesive on one side n or Adhesive on both sides

Storage: Room Temperature

Silicone Isolators allow researchers to isolate specimens using removable hydrophobic barriers. They may be used to isolate cells grown in culture dishes or separate multiple specimens affixed to microscope slides. Isolators are available in silicone thickness 0.5 to 2.5mm pre-cut or as sheet material with or without secure seal clean adhesive on one or both surfaces. Non-adhesive isolators are autoclavable and reusable.

Silicone Isolators remain sealed to smooth surfaces during washing steps. Where additional sealing is required, SecureSeal adhesive on one or both surfaces is recommended. Each seal design is also available in CultureWell “water-clear” silicone, which is highly recommended for sensitive cell culture applications. Closed chambers may be formed using flexible RNase free HybriSlip™ covers.

Instructions for Use of Silicone Isolators

1. Remove the poly liners from both surfaces and place the silicone atop a non-stick surface, like a Kimwipe. Leaving a liner on one surface does not allow the silicone to conform to the shape of the glass surface and may result in a leak. Inspect the surface of the material that will be affixed to the isolator for particulates and if present, remove them using a piece of adhesive tape.
2. Place a glass microscope slide or coverslip atop the silicone gasket and press onto the glass to form a seal. Inspect the seal through the glass and press locally on the glass to remove any residual air pockets. Do not press on the silicone surface as this may deform the material, which can relax and break the seal to the glass. It may also be helpful when applying the glass to lower it at a 45-degree angle to gently squeeze out the air between the glass and silicone, taking care not to stretch the silicone.
3. Add specimen and/or reagent to isolated area. Handle the slide from the edges taking care not to contact the silicone gasket with your fingers as this may loosen the seal.
4. Prevent evaporation by gently placing in covered dish.
5. Non-adhesive silicone isolators may be easily removed from slides or coverslips simply by peeling them off. Slowly and carefully remove adhesive isolators from glass slides to avoid breaking the glass.

Non-adhesive Silicone Isolators seal well to both wet or dry surfaces. The best seal is formed on a dry glass surface. Silicone Isolators may be adhered to themselves as a method to increase isolator depth.

Clean non-adhesive isolators for re-use by washing with detergent and water. Store clean and lint free. Silicone surfaces may be “spot cleaned” using a strip of adhesive tape.

Recommended use temperature is -62°C to 218°C.

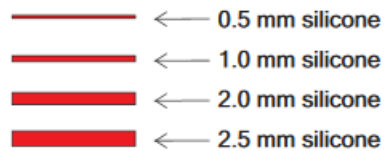
Silicone Isolators are intended for Laboratory Use Only

Technical and scientific information

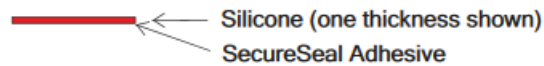
Drawings of JTR Silicone Isolators

RED SILICONE MATERIAL SHEETS

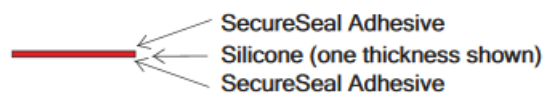
JTR-S Non-adhesive - reusable / autoclavable



JTR-S-A- Adhesive one side

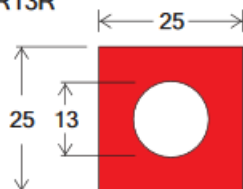


JTR-S-A2- Adhesive on both sides



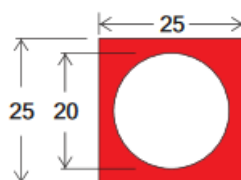
RED SILICONE ISOLATORS – 1 well

JTR13R



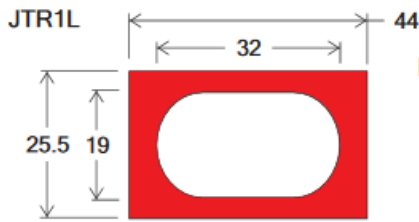
JTR13R-0.5 / -1.0 / -2.0 / -2.5 mm silicone / -A Adhesive/one Side

JTR20R



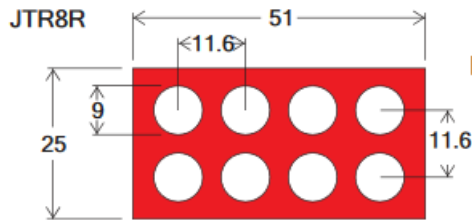
JTR20R-0.5 / -1.0 / -2.0 / -2.5 mm silicone / -A Adhesive/one Side / -A2 Adhesive/both Sides

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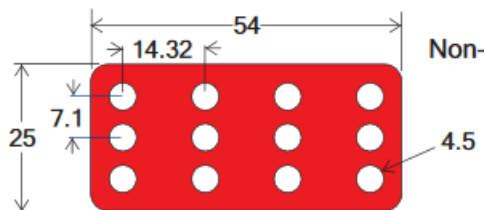
JTR1L-0.5 / -1.0 / -2.0 / -2.5 mm silicone / -A Adhesive/one Side / -A2 Adhesive/both Sides

RED SILICONE ISOLATORS – 8 to 24 wells



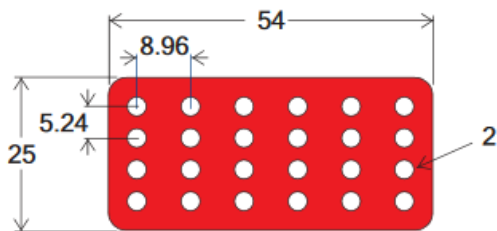
JTR8R-0.5 / -1.0 / -2.0 / -2.5 mm silicone / -A Adhesive/one Side / -A2 Adhesive/both Sides

JTR12R



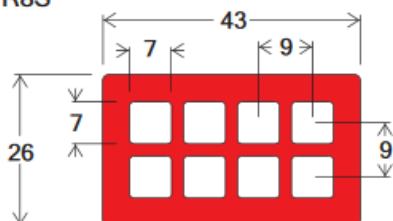
JTR1-0.5 / -1.0 / -2.0 / -2.5 mm silicone / -A Adhesive/one Side / -A2 Adhesive/both Sides
R

JTR24R



JTR24R-0.5 / -1.0 / -2.0 / -2.5 mm silicone / -A Adhesive/one Side / -A2 Adhesive/both Sides

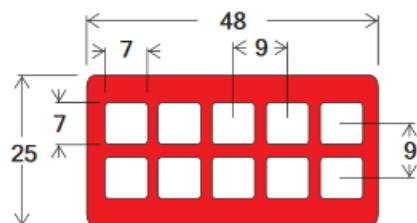
JTR8S



JTR8S-0.5 / -1.0 / -2.0 / -2.5 mm silicone / -A Adhesive/one Side

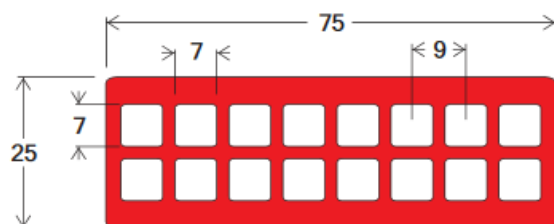
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JTR10S



JTR10S-0.5 / -1.0 / -2.0 / -2.5 mm silicone / -A Adhesive/one Side / -A2 Adhesive/both Sides

JTR16S



JTR16S-0.5 / -1.0 / -2.0 / -2.5 mm silicone / -A Adhesive/one Side / -A2 Adhesive/both Sides

References

Banach, J.c., S. Clark, and B.p. Lamsal. "Microstructural Changes in High-Protein Nutrition Bars Formulated with Extruded or Toasted Milk Protein Concentrate." *Journal of Food Science* 81, no. 2 (February 1, 2016): C332–40. doi:10.1111/1750-3841.13198.

Kuo, Wan-Yuan, Jan Ilavsky, and Youngsoo Lee. "Structural Characterization of Solid Lipoproteic Colloid Gels by Ultra-Small-Angle X-Ray Scattering and the Relation with Sodium Release." *Food Hydrocolloids* 56 (May 2016): 325–33. doi:10.1016/j.foodhyd.2015.12.032.

Wang, Fan C., Fernanda Peyronel, and Alejandro G. Marangoni. "Phase Diagram of Glycerol Monostearate and Sodium Stearoyl Lactylate." *Crystal Growth & Design* 16, no. 1 (January 6, 2016): 297–306. doi:10.1021/acs.cgd.5b01241.

Ordering information

Non -Adhesive Press-To- Seal Silicon Isolator

Nb of Chambers	Dimensions (mm)	OD (mm)	Geometry	Thickness (mm)	Réf.	Qty
1	13 dia	25 x 25	ronde	0,5	FP-IWQ450	25 u
16	7 x 7	25 x 75	square	0,5	FP-IWQ740	25 u
10	7 x 7	26 x 48	square	0,5	FP-IWQ610	25 u
8	7 x 7	26 x 43	square	0,5	FP-IWQ940	25 u
24	2 dia	25 x 54	ronde	0,5	FP-IWQ880	25 u
1	13 dia	25 x 25	ronde	0,5	FP-IWP170	25 u
12	4,5 dia	25 x 54	ronde	0,5	FP-IWQ670	25 u
1	20 dia	25 x 25	ronde	0,5	FP-IWR980	25 u
1	19 x 32	25.5 x 44	ovale	0,5	FP-IWQ790	25 u
8	9 dia	25 x 51	ronde	0,5	FP-IWS400	25 u
1	13 dia	25 x 25	ronde	2,4	FP-IWP200	25 u
1	20 dia	25 x 25	ronde	2,4	FP-IWQ860	25 u
1	16 x 32	25.5 x 44	ovale	2,4	FP-IWS370	25 u
8	9 dia	25 x 51	ronde	2,4	FP-IWS430	25 u
1	13 dia	25 x 25	ronde	2	FP-IWQ470	25 u
16	7 x 7	25 x 75	square	1,6	FP-IWQ770	25 u
10	7 x 7	26 x 48	square	1,6	FP-IWQ650	25 u
8	7 x 7	26 x 43	square	1,6	FP-IWQ970	25 u
24	2 dia	25 x 54	ronde	1,6	FP-IWS380	25 u
1	13 dia	25 x 25	ronde	1,6	FP-IWP190	25 u
12	4,5 dia	25 x 54	ronde	1,7	FP-IWS350	25 u
1	20 dia	25 x 25	ronde	1,6	FP-IWQ850	25 u
1	19 x 32	25.5 x 44	ovale	1,7	FP-IWQ800	25 u
8	9 dia	25 x 51	ronde	1,7	FP-IWS420	25 u
1	13 dia	25 x 25	ronde	1	FP-IWQ460	25 u
16	7 x 7	25 x 75	square	0,8	FP-IWQ750	25 u
10	7 x 7	26 x 48	square	1	FP-IWQ630	25 u
8	7 x 7	26 x 43	square	0,8	FP-IWS390	25 u
24	2 dia	25 x 54	ronde	0,8	FP-IWQ910	25 u
1	13 dia	25 x 25	ronde	0,8	FP-IWP180	25 u
12	4,5 dia	25 x 54	ronde	0,8	FP-IWQ680	25 u
1	20 dia	25 x 25	ronde	0,8	FP-IWS630	25 u
1	19 x 32	25.5 x 44	ovale	0,8	FP-IWS360	25 u
8	9 dia	25 x 51	ronde	0,8	FP-IWS410	25 u

Adhesive on One Side Press-To- Seal Silicon Isolator

Nb of Chambers	Dimensions (mm)	OD (mm)	Geometry	Thickness (mm)	Réf.	Qty
10	7 x 7	26 x 48	square	0,5	FP-IWQ610	25 u
8	7 x 7	26 x 43	square	0,5	FP-IWQ940	25 u
24	2 dia	25 x 54	ronde	0,5	FP-IWQ880	25 u
1	13 dia	25 x 25	ronde	0,5	FP-IWP170	25 u
12	4.5 dia	25 x 54	ronde	0,5	FP-IWQ670	25 u
1	20 dia	25 x 25	ronde	0,5	FP-IWR980	25 u
1	19 x 32	25.5 x 44	ovale	0,5	FP-IWQ790	25 u
8	9 dia	25 x 51	ronde	0,5	FP-IWS400	25 u

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16	7 x 7	25 x 75	square	0,6	FP-IWQ990	25 u
10	7 x 7	26 x 48	square	0,6	FP-IWQ620	25 u
8	7 x 7	26 x 43	square	0,6	FP-IWQ950	25 u
24	2 dia	25 x 54	ronde	0,6	FP-IWQ900	25 u
1	13 dia	25 x 25	ronde	0,6	FP-IWP110	25 u
12	4.5 dia	25 x 54	ronde	0,6	FP-IWP210	25 u
1	20 dia	25 x 25	ronde	0,6	FP-IWQ820	25 u
1	19 x 32	25.5 x 44	ovale	0,6	FP-IWS010	25 u
8	9 dia	25 x 51	ronde	0,6	FP-IWS720	25 u
24	2 dia	25 x 54	ronde	0,8	FP-IWQ910	25 u
1	13 dia	25 x 25	ronde	0,8	FP-IWP180	25 u
12	4.5 dia	25 x 54	ronde	0,8	FP-IWQ680	25 u
1	20 dia	25 x 25	ronde	0,8	FP-IWS630	25 u
1	19 x 32	25.5 x 44	ovale	0,8	FP-IWS360	25 u
8	9 dia	25 x 51	ronde	0,8	FP-IWS410	25 u
16	7 x 7	26 x 75	square	0,9	FP-IWQ760	25 u
10	7 x 7	26 x 48	square	0,9	FP-IWQ640	25 u
8	7 x 7	26 x 43	square	0,9	FP-IWQ960	25 u
24	2 dia	25 x 54	ronde	0,9	FP-IWQ920	25 u
1	13 dia	25 x 25	ronde	0,9	FP-IWP100	25 u
1	2 4,5 dia	25 x 54	ronde	0,9	FP-IWQ690	25 u
1	20 dia	25 x 25	ronde	0,9	FP-IWS820	25 u
1	19 x 32	25.5 x 44	ovale	0,9	FP-IWS020	25 u
8	9 dia	25 x 51	ronde	0,9	FP-IWS730	25 u
16	7 x 7	26 x 48	square	1,7	FP-IWQ780	25 u
10	7 x 7	26 x 48	square	1,7	FP-IWQ660	25 u
8	7 x 7	26 x 43	square	1,7	FP-IWQ980	25 u
24	2 dia	25 x 54	ronde	1,7	FP-IWS110	25 u
1	13 dia	25 x 25	ronde	1,7	FP-IWP090	25 u
12	4,5 dia	25 x 54	ronde	1,7	FP-IWS090	25 u
1	20 dia	25 x 25	ronde	1,7	FP-IWS830	25 u
1	19 x 32	25.5 x 44	ovale	1,7	FP-IWS040	25 u
8	9 dia	25 x 51	ronde	1,7	FP-IWP000	25 u
1	13 dia	25 x 25	ronde	2,5	FP-IWP080	25 u
1	20 dia	25 x 25	ronde	2,5	FP-IWQ870	25 u
1	19 x 32	25.5 x 44	ovale	2,5	FP-IWS070	25 u
8	9 dia	25 x 51	ronde	2,5	FP-IWS120	25 u

Adhesive on Both Sides Press-To- Seal Silicon Isolator

Nb of Chambers	Dimensions (mm)	OD (mm)	Geometry	Thickness (mm)	Réf.	Qty
8	7 x 7	26 x 43	ronde	0,5	FP-IWQ560	25 u
1	13 dia	25 x 25	ronde	0,8	FP-IWQ700	25 u
8	9 dia	25 x 51	ronde	0,5	FP-IWS330	25 u
1	20 dia	25 x 25	ronde	0,8	FP-IWQ830	25 u
1	13 dia	25 x 25	ronde	2,6	FP-IWQ730	25 u
8	9 dia	25 x 51	ronde	2,5	FP-IWQ590	25 u
1	13 dia	25 x 25	ronde	1,8	FP-IWQ720	25 u
8	9 dia	25 x 51	ronde	2	FP-IWS170	25 u
24	2 dia	25 x 54	ronde	1	FP-IWQ930	25 u
1	13 dia	25 x 25	ronde	1	FP-IWQ710	25 u
8	9 dia	25 x 51	ronde	1	FP-IWS080	25 u
1	20 dia	25 x 25	ronde	1	FP-IWQ840	25 u

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Silicon Isolator sheets

Please inquire or [search online](#) ⁰.

Catalog size quantities and prices may be found at <http://www.interchim.com>.
Please inquire for higher quantities (availability, shipment conditions).

Related / associated products and documents

See [Product highlights](#), [BioSciences Innovations catalogue](#) and [e-search tool](#).

• Glass Coverslips 22 x 60 mm Q69980 10 u

Hydrophobic Coverslips 22 x 40 mm Q70020 100 u

HybriSlip™ - hybridization covers:

Dimensions (mm) <small>(Long. x Larg. x Epais.)</small>	Réf.	Qty	Réf.	Qty
18 mm Diamètre x 0,25 mm	FP-IWP470	100 u	FP-IWP510	1000 u
22 mm Diamètre x 0,25 mm	FP-IWP480	100 u	FP-IWP490	1000 u
22 mm x 22 mm x 0,25 mm	FP-IWS660	100 u	FP-IWS670	1000 u
22 mm x 40 mm x 0,25 mm	FP-IWS681	100 u	FP-IWS680	1000 u
22 mm x 60 mm x 0,25 mm	FP-IWO711	100 u	FP-IWO710	1000 u
24 mm x 30 mm x 0,25 mm	FP-IWP501	100 u	FP-IWP500	1000 u
24 mm x 40 mm x 0,25 mm	FP-BB2501	100 u	FP-BB2502	1000 u
24 mm x 60 mm x 0,25 mm	FP-IWO720	100 u	FP-IWO721	1000 u
25 mm x 25 mm x 0,25 mm	FP-IWO691-	100 u	FP-IWO690	1000 u
45 mm x 50 mm x 0,25 mm	FP-IWO740	50 u	FP-IWO730	250 u

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