KWIK-SIL & KWIK-CAST

Biocompatible Surgical Adhesives with Pre-Mixing Tips for Rapid, Mess-Free Application

KWIK-CAST-S

KWIK-SIL-S

Bioadhesives are biocompatible glues designed to adhere to biological tissue like skin or cells. Because they are biocompatible, they are non-toxic and will not cause and immune response, irritation, or allergic reaction. They can bond with wet or slippery tissues, and they produce no heat. Bioadhesives set quickly and are less invasive than suturing. WPI's KWIK-SIL and KWIK-CAST are two popular bioadhesives.

The properties of WPI's KWIK-SIL and KWiK-CAST biocompatible surgical adhesives make them exceptionally useful for neuroscience applications, peripheral nerve studies and similar biomedical applications. You have the option of getting a non-sterile or a sterile version of either silicone adhesive. These silicone elastomers come with pre-mixing tips, eliminating the mess and saving time. Each silicone elastomer is packaged in a double barrel syringe and is automatically mixed when pressed out of the mixer tip provided. It can then be applied directly to the tissue without further mixing. The curing time of these silicone adhesives is short, reliable and reproducible. This eliminates potential costly guesswork when using other tissue adhesives. The curing process does not produce any heat, which can cause tissue damage. WPI's silicone elastomers are much less toxic than dental silicone, because they contain no surfactant additives.

KWIK-SIL OR KWIK-CAST

Our KWIK-SIL and KWIK-CAST adhesives are individually packed with syringe and five mixing tips, which simplify use. The biocompatible adhesive is ideal for siling live tissues because of its extremely low toxicity. KWIK-SIL has a medium strength adhesion, with good mechanical properties (tear strength and elongation) that allow days of study without breaking of the bonding. Curing speed is very reproducible. KWIK-CAST is a very low viscosity silicone silant that flows easily, filling the small spaces around the nerve and leaving no channels through which peritoneal fluid can travel or short the nerve/electrode contact. It can flow into itself and create one continuous mass from underneath the nerve all the way to the top of the nerve/electrode contact to ensure long-term recording stability. KWIK-CAST may be applied underneath mineral oil. Electrodes are easily recovered after recording because of its low tear strength. Both KWIK-SIL and KWIK-CAST have a rapid cure time, and they cure without producing heat. KWIK-SIL dries clear, and KWIK-CAST dries green so you can visualize where it is applied. KWIK-SIL dries a little faster than KWIK-CAST, which takes less than three minutes to fully cure

KWIK-SIL and KWIK-CAST have been cited in over 3,000 publications. See www.wpiinc.com/scientific-publications.

MIXING TIPS

The custom mixing tips ensure proper mixing of the 2-part elastomeres, and they eliminate the mess of mixing by hand. These tips are engineered to eliminate any leaking. The tips are keyed to the syringe, and with a 90° twist, they lock securely in place.

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STERILE OPTIONS

The newly available sterile KWIK-SIL and KWIK-CAST adhesives are ideal for both short-term and long-term studies, where sterility and biocompatibility in a surgical adhesive is required. These KWIK-SIL and KWIK-CAST formulas are sterilized under specialized conditions, that have demonstrated robust sterilization, not available in most research facilities. Sterile silicone adhesives maintain the same cure time and properties that researchers know and love from WPI's KWIK-SIL and KWIK-CAST products. The double barrel syringe and all five mixing tips are individually packaged and sterilized.

BENEFITS OF WPI KWIK ADHESIVES

- Low toxicity surgical adhesive is ideal for neuroscience and biological applications in animal research
- Rapid cure time
- Cures without producing heat
- Ease of use with pre-mixing tips
- 6-Month shelf life
- Sterile and non-sterile versions available

	KWIK-SIL	KWIK-CAST	STERILE KWIK-SIL-S	STERILE KWIK-CAST-S
ABOUT	Excellent silicone adhesive for living tissue because it is non-toxic, fast curing and able to adhere to organic and inorganic surfaces	Color coded silicone adhesive allows you to see when it is properly mixed and where it is applied. The low viscosity adhesive lets it fill all the gaps.	This is the sterile version of the popular KWIK-SIL. With medium viscosity and a rapid cure time, it is also non-toxic, making it ideal for living tissues.	Excellent silicone adhesive for living tissue because it is non-toxic, fast curing and able to adhere to organic and inorganic surfaces.
IDEAL FOR	• Neuroscience • Biomedical	• Neuroscience • Biomedical	• Neuroscience • Biomedical	• Neuroscience • Biomedical
APPLICATIONS	• Chronic peripheral nerves such as anterograde tracing with fluorescent indicators or electrode recording • Nerve studies • Biomedical applications	• Embedded peripheral nerve studies with electrodes for acute multi-fiber recordings • Nerve studies • Biomedical applications	• Cell attachment • Cell expansion • Serum-free culture • Cancer research	• Chronic peripheral nerves such as anterograde tracing with fluorescent indicators or electrode recording • Nerve studies • Biomedical applications
MARKET	• Academic Core Facilities • Industry & CRO Research • Biotechnology • Pharmaceutical	• Academic Core Facilities • Industry & CRO Research • Biotechnology • Pharmaceutical	• Academic Core Facilities • Industry & CRO Research • Biotechnology • Pharmaceutical	• Academic Core Facilities • Industry & CRO Research • Biotechnology • Pharmaceutical

KWIK-SIL

KWIK-CAST

STERILE KWIK-SIL-S

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