



Science.
Applied to Life.™

Diabetes monitoring by the drop.

Next-generation diabetes management solutions
begin with the power of 3M science.



A revolution in diabetes self-care.

Building tomorrow's devices today takes staying on the leading edge of technology.

More than 415 million adults in the world today live with diabetes, and their numbers continue to grow with 1 in 2 undiagnosed*. With growing awareness and education, the quality of life for a diabetic is improving. Self-monitoring offers individuals the ability to track and manage blood glucose level from anywhere and at any time.

Tomorrow's advances—the ones you are developing today—will encourage diabetics to take on more ownership in their care. There is no doubt that affordability and consumer confidence will both play a key role in driving these advances. 3M's expertise in materials and applications can help you make your next generation of diabetes monitoring solutions a reality through improving precision and accuracy without driving up costs.

*IDF Diabetes Atlas Seventh Edition 2015.

Spotlight on microfluidics

Glucose monitoring doesn't work unless the patient's blood reaches the test site inside the device. That's where 3M's expertise in microfluidics comes in. With test strips made from our hydrophilic materials, even the tiniest amount of blood gives an accurate reading.

While test strips are the most common means of measuring, that's only the beginning of what 3M technology can do. Are you exploring new formats for multi-parameter testing, continuous glucose monitoring, or automated insulin injections? We can help!





Free-flowing innovation

How we apply microfluidics to diabetes management.

To bring your designs to life, you need materials as innovative as your ideas. We have years of experience working with medical device manufacturers worldwide and we build our components with the voice of the market in mind. Emerging industry trends and needs for economic value for both the manufacturer and patient guide us as we develop new solutions using microfluidic technology. So start the conversation—reach out and tell us about the devices you want to create, and we'll connect you with the right experts and solutions to bring them to life.



Choose 3M for...

► Fluid Transport

Solutions include specialty coatings and materials to enable efficient flow of fluids via low-contact angles through capillary channels of test strips. Our surfactant-free hydrophilic technology offers a chemically inert solution to minimize the potential for test inference and bias.

► Substrates and Films

Gain access to a variety of specialty materials and substrates for your microfluidic device solutions including engineered separation membranes, conductive layers, polyester films, coatings, materials designed for optical performance, engineered fluids and more.

► Structured Materials

Precisely-shaped microstructures that can be incorporated into channels for fluid transport, wicking and advanced fluid analysis.

► Adhesives and Spacer Tapes

Next generation precision cutting adhesive technologies engineered to be low gumming and low outgassing to protect sample integrity.

► Design and Fabrication

Leverage our expertise in materials and multiple technology platforms alongside state of the art molding, reagent deposition and assembling capabilities in ISO compliant facilities.



Start the conversation!

Visit our website
to learn more:
3M.com/Microfluidics

Reach out to our design specialists to find out how we can help bring your ideas for smarter diabetes management to life. Our materials are built on over 55 years of experience in the health care industry and manufactured according to current Good Manufacturing Practices (GMPs) and Quality Systems Regulations (QSRs). We'll supply the documentation you need, including Technical Information Sheets, Certificate of Conformance and/or Analysis. Our strict change control management means you can have confidence in the consistent, reliable performance of our materials.



3M Center
St. Paul, MN 55144
Phone 800-584-2787
Web www.3M.com/MedTech

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