

3M Solutions for Microfluidic Devices



**We Speak**  
**Microfluidics**



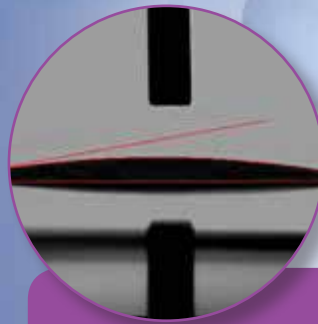
# Discover free-flowing Innovation

In healthcare, information is vital. Patients and caregivers alike depend on your microfluidic devices for accurate test results. That's why 3M offers a broad portfolio of materials for microfluidic devices, all manufactured to ensure consistently reliable performance, lot after lot.

From specific layers for biosensors to integrated consumables for lab-on-a-chip applications, we can help you design and manufacture diagnostic consumables and devices incorporating microfluidics. This technology has driven advancements in blood glucose strips, lateral flow assays and devices used for clinical, molecular and immunoassay diagnostics. But that's not all it can do – talk to us to see how we can help bring your ideas to life.

**The bottom line? We speak your language.  
We speak microfluidics.**

**“ We listen, learn and design  
microfluidic solutions. ”**



**3M™ Hydrophilic Films** consist of specialty coatings and materials to enable efficient flow of fluids through capillary channels. 3M Surfactant-Free Hydrophilic Technology offers a chemically inert solution to minimize the potential for test inference and bias.

**Fluid  
Transport**

**We  
Micro**

**Substrates  
and Films**

## **3M™ Substrates & Films**

We use a variety of specialty materials and substrates for your microfluidic device solutions such as membranes, polyester films, coatings, engineered fluids, and more.



Adhesives

**3M™ Bioassay Compatible Adhesives** are formulated for biological assays specially used in PCR, qPCR, and ELISA. Designed to minimize the potential for chemical and/or optical interference.



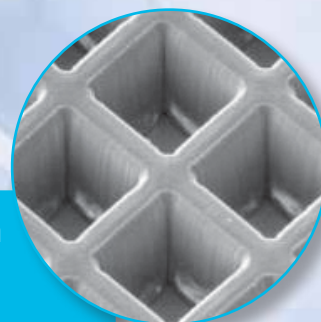
**3M™ Adhesives & Spacer Tapes**  
3M adhesive technology engineered for low build-up of residue in high volume die cutting operations. Manufactured to tight thickness specifications and containing low levels of volatiles that ensure compatibility with your chemistry.



Speak  
of fluidics

Structured  
Materials

**3M™ Microreplication** incorporates precision three-dimensional structures into a single or continuous film-based substrate to form high density arrays and/or manage fluids. Expand your design capabilities with microstructures to enable a cost-effective approach. Examples include high density microarrays and well structures for high throughput molecular testing.



Design &  
Fabrication

**3M™ Design & Fabrication**

Leverage 3M “know-how” in the design and manufacture of integrated consumables with your chemistries. We offer material expertise and multiple technology platforms along-side state of the art molding, spotting and assembling capabilities in an ISO compliant facility.





Visit our website  
to learn more:  
[3M.com/MedTech](http://3M.com/MedTech)



## Trusted. Innovative. Global.

For over 50 years, 3M has been a leader in the health care industry. During that time, our advanced technologies have contributed to the creation of more than 10,000 new health care products worldwide. We supply the medical device manufacturing, design and supply industries with a carefully selected line of medical grade tapes, coatings and adhesive technologies, semi-finished components and selected bulk supplies of 3M branded products.

**The bottom line? We speak your language. We speak microfluidics.**

## Quality Manufacturing

Picking the right company to manufacture your microfluidic device is critical. 3M stands out as a trusted partner with our decades of experience, global service, and ISO certified manufacturing facilities to support your growing needs. Our products are manufactured according to current Good Manufacturing Practices (GMPs) and Quality Systems Regulations (QSRs), and we'll supply documentation you need (Technical Information Sheets, Certificate of Conformance and/or Analysis). And with our strict change control management, you can be confident in the consistent, reliable performance of our materials, lot after lot.

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70-2011-5796-6 Rev. B

