3M Science. Applied to Life.™

We speak microfluidics.

3M Medical Materials & Technologies

A guide to solutions for microfluidic devices

3M solutions for microfluidic devices

Trusted, innovative, global

3M is a science-based technology company, with sales of over $30 billion in 200 countries. As a global leader in the health care industry, with over 55 years' experience, 3M's advanced technologies have contributed to the creation of more than 10,000 new health care products worldwide.

As 3M's health care business-to-business division, 3M Medical Materials & Technologies supplies medical grade components and complete devices to medical device manufacturers and suppliers worldwide.

We speak microfluidics

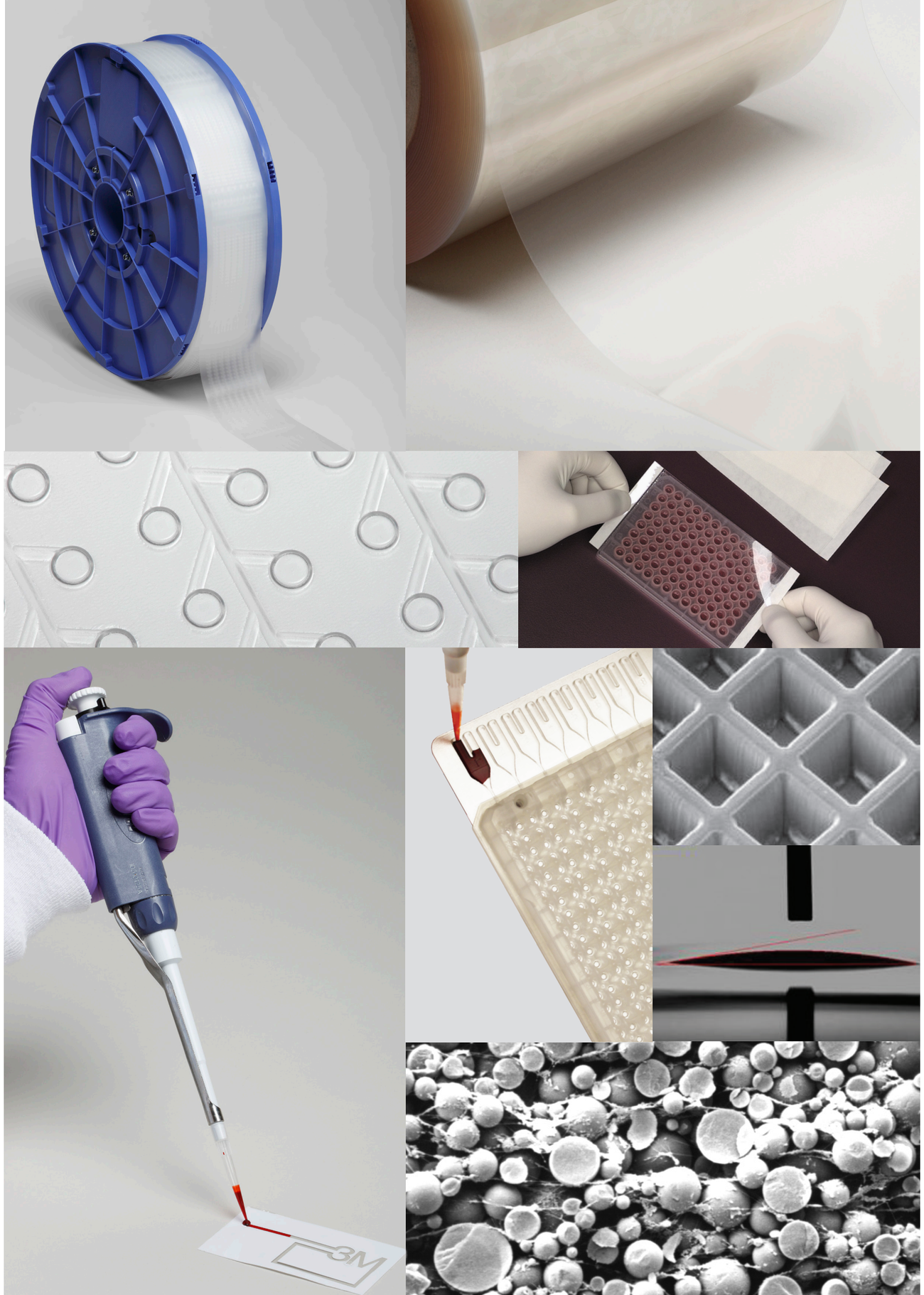
In health care, information is vital. Patients and caregivers alike depend on your microfluidic devices for accurate test results. That's why 3M offers a broad portfolio of materials for microfluidic devices, all manufactured to ensure consistent reliable performance, lot after lot.

3M supplies a range of leading edge products for the manufacture of microfluidic devices. This includes hydrophilic fluid transport technologies, structured materials such as micro replicated films, diagnostic tapes, bioassay compatible adhesives, and other adhesives and spacer tapes. Our products can be found in a wide range of in-vitro diagnostic devices.

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 fluid transport layers. This technology has driven advancements in lateral flow assays, such as blood glucose test strips and other 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.

More information can be found on our website 3M.com/Microfluidics

The Food and Drug Administration does not define what constitutes 'medical' grade for components at this time.



- **3M™ Hydrophilic Films**
  Consists 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 minimise the potential for test interference and bias.

- **3M™ Bioassay Compatible Adhesives**
  Formulated for biological assays specially used in PCR, qPCR, and ELISA. Designed to minimise 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 tightly controlled thickness specifications.

- **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 analysis.

- **3M™ Substrates & Films**
  We can offer a variety of specialty materials and substrates for your microfluidic device solutions such as membranes, polyester films, coatings, engineered fluids, and more.

- **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 assembly capabilities in an ISO compliant facility.

Quality and manufacturing

Our products are manufactured according to current Good Manufacturing Practices (cGMPs) and Quality Systems Regulations (QSRs). Documentation can be supplied if required including Technical Information Sheets, Certificate of Conformance and/or Analysis. With 3M's strict change control management, you can have confidence that you will receive a consistent and reliable product.

Visit our website to learn more:

3M.com/Microfluidics

3M United Kingdom PLC
3M House
Morley Street
Loughborough
Leicestershire LE11 1EP
+44 (0)1509 611 611

3M Ireland Limited
The Iveagh Building,
The Park, Carrickmines,
D18 X015
Ireland
+353 (0)1 280 3555

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