Agilent Custom and OEM Microplates

Tailored solutions to accomplish your goals
Can’t find the optimal microplate or labware for your workflow or business?

Agilent is a worldwide leader in the design and manufacture of high-quality microplates. In addition to our off-the-shelf microplate products, Agilent also provides comprehensive custom microplate solutions from design to production for OEM manufacturers and laboratory instrument suppliers.

**Our family of custom products**

- **Custom solutions:** Our design, engineering, and manufacturing expertise enables us to rapidly deliver novel labware and microplate configurations based on your requirements.

- **OEM and contract services:** Our OEM services include labeling, packaging, and engraving in addition to custom plate configurations. We can modify or redesign existing products on the market for your specific needs.

Our capabilities have evolved over time by satisfying the diverse requests from our customers and collaborators in academic and government institutions, pharmaceutical and biotech organizations, food and environment industries, assay kit manufacturers, and laboratory instrument suppliers.
While there are plenty of standard microplate options in the marketplace, the right microplate for your needs could be a variation of an existing product. For example, newly developed materials may not yet be available in the format you need. Adding a custom control reservoir well, a unique well bottom shape, or a proprietary binding matrix can boost your efficiency and give you a competitive edge. You might also have unique scale-up or scale-down requirements. Agilent is here to help.

How much can I customize?

No request is too complex. Whether you need a custom product for a new instrument or a new workflow, our team is here to help. Our in-house engineering and manufacturing experts can handle projects of different complexities. Depending on your application needs, we will work with you on modifying and improving an existing product or designing a completely new product.
The process begins with a no-obligation design review. Our experts in materials and engineering will make suggestions for the design and construction based on your requirements and create a CAD design concept for your review.

We can also produce a 3D-printed prototype as needed. Upon customer approval, we perform a mold flow analysis, then design an injection mold and build it in our tool shop. Agilent takes full maintenance responsibility to maximize the lifespan and usability of your mold.

We can encapsulate almost any media and implement single or multiple layers of media into a custom-designed filter plate based on the specifications for your applications. Additionally, we can manufacture plates with your unique media, chromatography resins, silica, ground glass, or diatomaceous earth. Various drip directors and half-skirt options are also available upon request.

Once the mold is completed and inspected, the production will be conducted in our class 100K clean molding room, where we mold various medical-grade low extractable resins. Our highly trained operators perform inspections and dimensional testing to ensure that the product meets the specifications.

If secondary manufacturing and assembly operations are required after the microplates are molded, it will be conducted in our class 10K DNase/RNase-free cleanrooms.

In addition to storage/assay/collection plates, filtration plates, and reagent reservoirs, custom labware is available as well, such as tubes, tube strips, spin baskets, and many unique injection-molded products. We are committed to providing high-quality fit-for-purpose custom microplates to satisfy your requirements and achieve your objectives.

Our value-add service includes:
- Barcode printing and application
- Plasma treatment
- Gamma irradiation sterilization
- Logo hot stamping
- Custom labeling and packaging
- Powder filling
- Ultrasonic welding
- Filter material sourcing and conversion
- Insertion of single or multiple layers of filter media or frits
- Heat sealing
- Thermoform packaging
- UV cure adhesive bonding

Already have a design?
Contact us for a no-obligation review
explore.agilent.com/custom-microplate-sample
Private labeling, OEM, and contract services
Bring your innovative vision to market

How do we realize the ideas?
We have a knowledgeable, experienced, and dedicated team of engineers committed to understanding your requirements and producing products to meet your expectations. We equip our team with the most innovative technologies and constantly improve our process to enhance our capability to match the ever-progressing needs and standards of the market.

Need a slight change to an existing product? Want to expand one of your own product lines? No problem. Our OEM services comprise custom labeling, barcoding, irradiation, plasma treatments, packaging, and engraving. We can also customize filter configurations for specific applications.

Let us implement your design or collaborate with your engineers to fashion a product for performance, cost, and appearance.

Whether you want a plain box, a certain number of plates per bag, or your company label on the box, bag, or plate, we can do it for you. We can hot-stamp your logo on the plates or engrave your logo on the plate itself.

We also offer affordable manual assembly and testing for small-volume runs and cost-effective automation for larger-volume runs.

We have automated packaging equipment that minimizes manual handling and turnaround time of your order. Packaged products can be sent to an external facility for gamma irradiated treatment.

Agilent has the flexibility to accomplish your branding needs.

Commitment to quality
All Agilent microplates are tested for both compliance with external ANSI dimension standards and an extensive list of internal quality metrics. We are ISO 9001-2015 certified in a class 10K DNase/RNase-free cleanroom environment. We offer gamma treatment for sterility and purity compliance statements upon request.