

Технические характеристики

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From Standard Microplate Products to Custom Configurations, We Have What You're Looking For

Choosing the right microplates helps you avoid sample rerun and meet project deadlines. You can count on Agilent, a worldwide leader in design and manufacturing, for high-quality microplates that fit your workflow.

Our family of microplates includes:

- Stock products, just a few clicks away. Choose from filter plates, storage/assay plates, reservoirs, and more.
- Custom solutions for your workflow. Our extensive design, engineering, and fabrication expertise allows us to rapidly deliver novel microplate configurations—even for short production runs. You can also request a free sample for any custom product.
- Specialty configurations. Let us implement your finished design, or work with your team to create and optimize a part for performance, cost, and appearance.



For decades, Agilent has provided microplates to academic and government institutions, pharmaceutical and biotech organizations, assay kit manufacturers, and lab instrument suppliers.

Stock Products: Complete Your Workflow Without the Guesswork



Many Agilent stock microplates evolved from custom requests—and as a result, our capabilities have evolved as well. Standard features of our stock microplates include:

- ANSI standard dimensions
- Heat-resistant polypropylene
- Bio-inertness
- Low binding
- Raised wells for sealing
- Compatibility with robotics

Storage/assay microplates

Choose from a number of configuration options.

- Well volumes: 58 μ L to 10 mL
- Well numbers: 24, 48, 96, and 384
- Microplate heights: 14 to 68 mm
- V, round, flat, and pyramid-bottom geometries
- Irradiation, height, and material



Reagent reservoirs

Count on Agilent for a wide selection of plate heights, chamber configurations, well volumes, and bottom geometries.

- Partition volumes: 2.6 to 300 mL
- Partition numbers: 0 to 24
- Partitions for controls
- Open, column, or row partition geometries
- V, flat, and pyramid-bottom geometries



Filter-bottom microplates

Select your ideal filter and format—including characteristics such as filter type, pore size, well number and volume, drip director design, and application.

- Single and multiple filter elements
- Well volumes: 140 μ L to 15 mL
- Well numbers: 24, 48, 96, and 384
- Pore sizes: 10 kDa to 25 μ m
- Short, long, and extra-long drip directors
- Full- and half-skirt configuration
- Filter materials and membrane types: glass fiber, polyethylene, polypropylene, nylon, polyethersulfone (PES), and polyvinylidene fluoride (PVDF)



Can't Find the Microplate Design You're Looking For?

Let us customize one for you



How much can I customize?

No request is too complex. That's because all of our microplate operations—including engineering, tooling, injection molding, assembly, quality control, and packaging—are performed under one roof.

We can encapsulate almost any media, and multiple layers of media, into configurations that will ensure your best results. What's more, we can fill plates with your media, silica, ground glass, or diatomaceous earth. Drip directors are also available, as well as a half-skirt option.

While there are plenty of standard microplate options to choose from, 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. You might also have unique scale-up or scale-down requirements.

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. And Agilent is here to help. Our modular production process makes numerous configurations possible, and reduces the time and resources needed to manufacture your custom product. So you'll receive your microplates quickly, with lower minimum order quantities.

Custom labware is available as well, including tubes, tube strips, spin baskets, and unique injection-molded products.

OEM and Contract Services: Bring Your Ideas to Life



How do we make it all happen?

We've assembled a knowledgeable, experienced team of engineers committed to understanding—and meeting—your requirements. And we equip them with the best, most innovative technologies, all under one roof.

Need a slight change to one of our standard products? Want to expand one of your own product lines? No problem. Our OEM services include custom labeling, 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 part for performance, cost, appearance, and more.

Here's how it works:

- It all starts with a no-obligation design review.
- We then produce a rapid prototype (SLA) model for your initial evaluation.
- More challenging designs may involve changes to optimize the performance of a molded part within a larger instrument.
- Once the design is finalized, we create the mold, validate the process, and move to production.

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

Cell Culture and Imaging Microplates



Agilent announces new microplate product line to support cell culture and imaging

These high-quality polystyrene products provide superb optical clarity and comply with ANSI standards for compatibility with automated processing systems. TC surface treatment enhances cell attachment while the included lid maintains a sterile growth environment with a low risk of cross-contamination. The product designs feature easy stacking, alphanumeric well IDs, and well chimneys with the corresponding condensation rings on the lid.

96-well clear polystyrene cell culture and imaging plate

product # 204624-100

- flat bottom well
- 400 μ l well volume with lid
- tissue culture treated, sterile

96-well black with clear bottom polystyrene cell culture and imaging plate

product # 204626-100

- flat bottom
- 400 μ l well volume with lid
- tissue culture treated, sterile

384-well black with clear bottom polystyrene cell culture and imaging plate

product # 204628-100

- flat bottom
- 140 μ l well volume with lid
- tissue culture treated, sterile



Microplate Lids & Seals

Agilent microplate accessories include microplate lids and cap mats. Agilent supplies universal lids for microplates, available in clear or black polystyrene resin.

Custom cap mats are available for sealing Agilent 24-, 48-, and 96-square well microplates. These custom cap mats are molded in Santoprene, a chemical-resistant thermoplastic elastomer.



Part Number	Description	Unit
200856-100	Lids, universal, clear, polystyrene, 100/pk	100 Pack
200858-100	Lids, universal, black, polystyrene, 100/pk	100 Pack
201156-100	Plate seal/mat, solid, 48-well, Santoprene, for 7.5 mL and 5 mL well storage plate volumes, 100/pk	100 Pack
201158-100	Plate seal/mat, pierceable, 96-well, Santoprene, for 2 mL well storage plate volumes, 100/pk	100 Pack
201160-100	Plate seal/mat, solid, 96-well, Santoprene, for 2 mL well storage plate volumes, 100/pk	100 Pack
201162-100	Plate seal/mat, top and bottom, 96-well, Santoprene, for 2 mL fritted filter plate, 100/pk	100 Pack
201164-100	Plate seal/mat, pierceable, 24-well, Santoprene, for 10 mL well storage plate volumes, 100/pk	100 Pack
202497-100	Lids, universal, clear, polystyrene, irradiated, 100/pk	100 Pack

Features

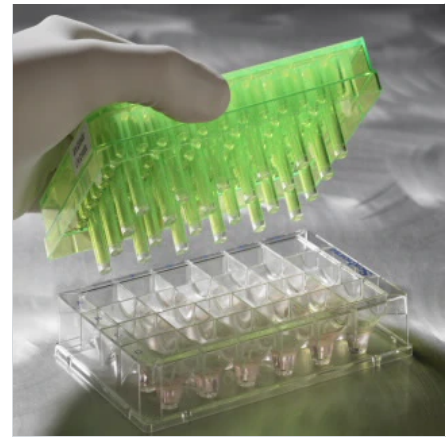
- Universal-sized polystyrene lids fit most all microplates
- Black color is effective for light-sensitive reagents
- Robot-friendly design
- Cap mats specifically designed for optimal fit to our square-well microplates
- Mat material has low permeability to alcohols

Standard & Custom Microplates

Custom Microplate Services

Agilent provides a complete custom microplate solution from design and production through to delivery of your custom product. This service is facilitated by the modular format of Agilent's microplate production capability, which allows various components to be interchanged to produce a large matrix of possible microplate configurations.

Because they are geared towards the custom market, the production runs of these microplates can be relatively short. This approach reduces the time and resources needed to produce your custom microplate product and lowers the minimum order commitment quantities.



| Features

- Improve your process by optimizing your microplate design
- Modify existing microplates or create novel microplates customized to meet your specific requirements for minimizing process time and effort
- Scale up and scale down with 24-, 48-, 96-, and 384-well microplate formats, for a standardized approach to miniaturization and conversely, to a sample volume scale-up schema
- Low minimum order quantities

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