

Complete Microplate solutions for your high-throughput applications

We bring it all together



Customized microplate solutions to meet your specific needs

GE Healthcare provides ultrasonic plate welding technology. As the plate sections are welded together, the filter media is automatically cut by the plates to perfectly align with the wells and drip directors. This simplifies manufacturing and prevents well-to-well crosstalk.

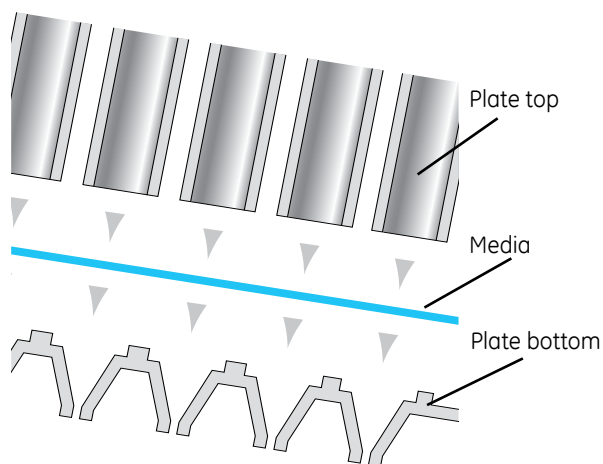


Fig 1. Components before assembly

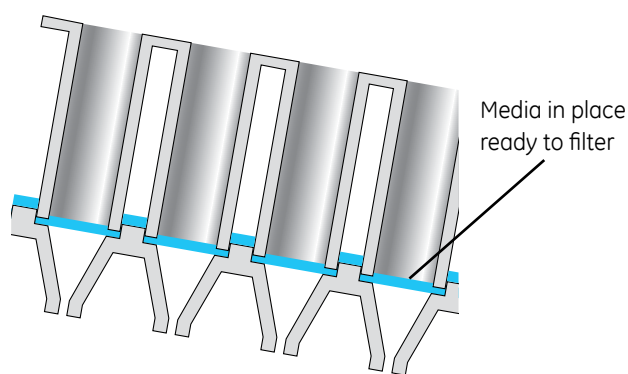


Fig 2. Plate with media cut into disks and sealed

To meet the exacting demands of the pharmaceutical and life sciences industries, GE Healthcare manufactures a comprehensive range of Whatman™ multiwell plate solutions. In fact, we offer the widest available selection of plate materials, plate configurations and filter media for your specific high-throughput application. For example, if your company is making a Plasmid Purification Kit, we can provide all the multiwell plate components you'll need.

Our experienced team of engineers, scientists and filtration experts is committed to helping you develop superior microplate technology that addresses your specific challenges. We'll work with you in utmost confidentiality to explore powerful, cost-efficient design alternatives—and, as appropriate, incorporate your own processes or media into customized microplates.

Ultimately, we'll provide detailed prototypes with rapid turnaround that enable you to get to market in the shortest possible time.

Quality plates. Media that set the standard. All from the same reliable partner.

At GE Healthcare, we recognize that multiwell device quality is contingent on the properties, performance and construction of the underlying technology components. That's why we manufacture both plates and filtration media to the highest degree of excellence. For example, by encapsulating the media, our novel plate welding technology ensures no crosstalk or contamination between wells. Likewise—with its high flow rates and loading capacity, sub-micron particle retention and chemically inert/binder-free properties—our 100% borosilicate glass microfiber media is recognized as the industry standard.

A wide range of products to choose from.

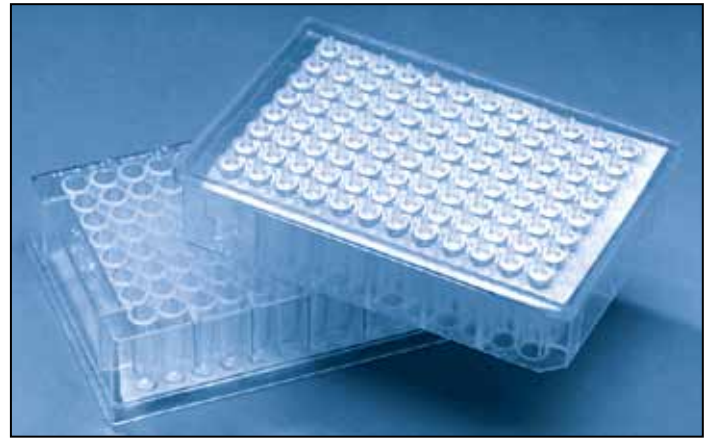
GE Healthcare has the proven expertise and in-depth resources to deliver a complete range of microplate solutions that enable your product to satisfy customer needs.

Most Whatman microplates conform to ANSI/SBS standards for ease of automation.

A sampling of our multiwell device offerings includes:

UNIFILTER™ Filtration Microplates

Produced in standard 24-, 96- and 384-well formats, UNIFILTERs incorporate a novel drip director design that facilitates precise filtrate or retentate collection and analysis. These highly versatile microplates—available in a wide range of volumes from 100 µl to 10 ml—eliminate well-to-well crosstalk and provide exceptional control through a diversity of filter media.



UNIPLATE™ Collection and Analysis Microplates



These solid-bottom microplates are available with single to 384 wells and 100 µl to 10 ml volume.

Clear View Microplates

Designed with optically clear polymer bottoms, Clear View Microplates eliminate the need for numerous transfer steps by enabling users to grow, observe, count and assay cells in a single device.

Glass Bottom Microplates



These novel multiwell microplates are specifically designed for high-sensitivity detection—including fluorescent and luminescent detection—as well as scintillation counting when extremely low backgrounds with no crosstalk are required. Optically flat surfaces and superior optical clarity ensure confluence and planarity for sensitive assay applications and microscopy. The thin glass (0.175 mm) is ideal for confocal microscopy.

Microplates suitable for all major applications

No manufacturer offers greater diversity in microplate technology than GE Healthcare. Our multiwell devices represent excellent solutions for myriad life sciences- and pharmaceutical-based applications, including:

- Molecular biology
- Genomics/Proteomics
- Drug discovery
- High-throughput screening
- Toxicity and cell proliferation
- Sample preparation
- Combinatorial chemistry

Questions to consider when designing your filter:

- **Application:** What is your application? What is the function of the plate and filter?
- **Compatibility:** What solution will be used? Specify solvents, chemical compounds, temperatures, exposure time, etc.
- **Number of wells:** 384, 96, 48, 24 or other?
- **Well volume:** How much volume will be needed per well?
- **Well shape:** Round, square, rectangular or other?
- **Well depth:** Shallow (100-350 µl), Half deep (750-800 µl) or Deep (2-10 ml)?
- **Plate material:** Polypropylene, Polystyrene, Multi-chem or other?
- **Plate color:** Clear, natural, white, black or other?
- **Usage:** Amount used per year?
- **Filter media:** Which media will optimize your application?
- **Irradiation:** Does the product need to be sterile?
- **Treatment:** Does the product require tissue culture treatment?
- **Packaging:** Is special packaging or labeling required?

Accessories

GE Healthcare provides a range of Whatman accessories to meet your needs, such as seals, capmats and vacuum manifolds. For complete details, please contact your local representative.



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