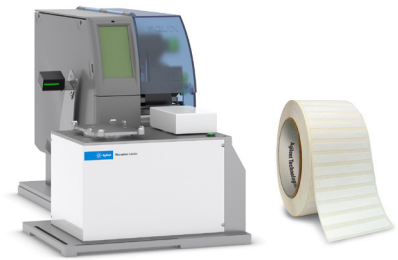


Agilent G5404B/G, G5581A/G Microplate Labeler Consumables



G5581A/G Microplate Labeler (left) and Agilent-certified labels (right)

Agilent barcode labels are tested and optimized for use with the Agilent Microplate Barcode Labeler to accurately and consistently label your microplates.

Seamless integration of the labeler into an Agilent BenchCel workstation or your lab automation system will ensure your labeling throughput needs are met.

Agilent barcode labels are available in different quantities and in two different label heights to match your label usage levels and microplate types. The labels are resistant to DMSO and can withstand temperatures ranging from $-80\text{ }^{\circ}\text{C}$ to $+100\text{ }^{\circ}\text{C}$.

Agilent Microplate Labeler instruments are supplied with one 6.35 mm (0.25") 6,500 label media kit and pre-installed 6.35 mm (0.25") vacuum pads. Replacement media kits are available in different roll lengths. To use 4.32 mm (0.17") labels on low profile microplates, 4.32 mm (0.17") vacuum pads are required to be installed by Agilent Field Service. Refer to the ordering information in this document.

Media Kit Specifications

	Standard 6.35 mm (0.25") Height Label Media Kit	Low-profile 4.32 mm (0.17") Height Label Media Kit
Dimensions		
Label, Individual (H x W)	6.35 x 50.8 mm (0.25" x 2")	4.32 x 50.8 mm (0.17" x 2")
Label Thickness, Individual	0.10668 mm (0.0042") nominal	
Core Diameter (Label Core)	76.2 mm (3") ID	
Vacuum Pad Diameter	6 mm (0.24")	4 mm (0.16")
Physical Properties		
Core Material (Labels and Ribbon)	Plastic	
Label Appearance	White Matte, Opaque	
Label Material	Polypropylene	
Label Stock Liner (Backing)	Clear synthetic	
Label Adhesion	Permanent ¹	
Typical Applications		
Compound Storage	•	
DNA Sequencing	•	
PCR Thermal Cycling (Dry)	•	
PCR Water Bath Cycling	Limited—must be tested/qualified	
Screening	•	
SPA Radioactive/Top Count Assays	•	
Chemical Compatibility²		
Water	•	
DMSO	•	
IPA	•	
Microplate Compatibility		
Substrate	Most plasticized surfaces	
Thermal Properties		
Service Temperature Range ³	-80°C to +100°C (-112°F to +212°F)**	
Minimum Application Temp	2°C (+35°F)	
Label and Ribbon Storage Properties		
Conditions	Avoid direct exposure to sunlight, 16°C to 27°C (60°F to 80°F) 35 to 65% relative humidity	
Shelf Life (Best if Used by Date)	1 year	

• = YES (dot)

1. Permanent Adhesion: Adhesive strength increases over time. Label may be peeled-off but should not be reapplied. Label is designed to not fall off or come off, without some mechanical effort.

2. Label has some level of chemical resistance—image remains legible on the label stock, by resisting damage by chemical reactivity or solvent action over short periods of time. For example, in the case of DMSO, the image is considered resistant to DMSO rather than compatible or impervious to DMSO. The image may become illegible if concentrated DMSO is left on the image for extended periods or if DMSO is placed on a wipe, then rubbed over the image

3. The service or operating temperature range in which the label remains adhered to the substrate. This is highly application dependent and must be verified for each application.

** Service temperature range data supplied by customers involved in applications such as compound storage and PCR.

Media Kit Ordering Information

	Part Numbers
Standard 6.35 mm (0.25") Height Label Media Kit	
6,500 labels per roll	G5404-60005
13,000 labels per roll	G5404-60013
Low-profile 4.32 mm (0.17") Height Label Media Kit	
6,500 labels per roll	G5404-60030

Further Information

- Each media kit contains:
 - 1 x roll adhesive labels
 - 1 x ribbon roll to image one label roll
 - 1 x used ribbon take-up spool for take-up hub
 - 1 x print-head cleaning pen (multi-use)
 - 1 x media loading document
- The product specification data included in this document was generated using the following microplates or equivalent:
 - Polypropylene Microplate: Greiner, 650201 (96-well, round well, round bottom);
 - Polystyrene Microplate: Greiner, 655101 (96-well, round well, flat bottom).
- Material suitability, label adhesion, image integrity, maximum storage times or conditions, etc. are dependent on the specific use of the product. You must qualify the suitability of the product for your application. It is recommended that all microplate labels are used prior to the "Best if Used By" date, if indicated on the material labeling. Adhesion and image integrity should remain intact past this date—but the ideal material storage time is application and storage condition dependent. End-user, application-based requalification (testing) is required past "Best if Used By" date.
- The Agilent Microplate Labeler has been optimized for the use of Agilent consumables. If you use third-party consumables and experience poor performance / instrument problems and contact Agilent for support, it is your responsibility to immediately notify the Agilent support representative that you are using third-party labels and/or ribbon. Use of third-party consumables may be outside the scope of the terms of the Microplate Labeler instrument warranty and may result in you being responsible for any necessary repairs and applications support, resulting from the use of these materials. If you are considering the use of third-party consumables because the Agilent consumables do not meet your requirements, please give Agilent the opportunity to help.
- The Microplate Labeler has been designed to use standard size labels—6.35 mm x 50.8 mm (0.25" high x 2.0" wide) on labware which meets ANSI/SBS 1-2004 through ANSI/SBS 4-2004. For non-standard labels, contact the Technical Support team for additional information or to discuss your requirements.
- If you need additional content on a label, refer to the Microplate Labeler User's Guide (Changing the size of a field on the label) or contact Technical Support.
- Microplates for use with the 4.32 mm (0.17") label. A minimum of 5.5 mm (0.22") clearance is required from the top of the skirt to the top edge of the plate. The following plate has been tested to work with the 4.32 mm (0.17") labels: Greiner Polystyrene 788076 (384 well, solid bottom). Other members of this product family which may be compatible: 788161, 788101, 788073, 788075, 788093, 788095, 788092, 788096. We recommend testing to be done to confirm its compatibility. Contact the Technical Support Team to discuss your requirements.
- Labels and ribbons are warranted for a period of 90 days after delivery, or as required by local law.
- If you are not satisfied with your Agilent product within the first 60 days, you may return your purchase in its original condition for a full refund or credit. A return policy statement is posted under Product Information on the website. In the US and Canada, please call for a Return Authorization form and return instructions at 1-800-227-9770. If your Agilent product was purchased from a distributor, please contact the distributor.
- Quality and price match guarantee. Original Agilent consumables feature published specifications and warranties, are verified for use with Agilent instruments, and include application support. You are guaranteed top notch system performance when combined with Agilent instrumentation. Agilent will match any verifiable offer by any microplate label/ribbon supplier for an equivalent product. Ask your Agilent sales or support professional for details.

Put Our Insight to Work for You

CrossLab is an Agilent capability that integrates services and consumables to support workflow success, improve productivity, and enhance operational efficiency. In every interaction, we strive to provide insights that help you achieve your goals. We offer a wide range of products and services—from method optimization and training to full-lab relocations and operations analytics—to help you manage your instruments and your lab for best performance.

Learn more about CrossLab at www.agilent.com/crosslab

Learn more:

www.agilent.com/mass-spec/labeler

Find a local Agilent customer center in your country:

www.agilent.com/chem/contactus

U.S. and Canada

1-800-227-9770

agilent_inquiries@agilent.com

Europe

info_agilent@agilent.com

Asia Pacific

inquiry_lsca@agilent.com



DE83725447

This information is subject to change without notice.

© Agilent Technologies, Inc. 2023
Printed in the USA, July 17, 2023
5990-3663EN

