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Customer Feedback

Over more than a decade, ibidi has earned the trust of customers worldwide.

Madeleine Zerbato, Brigham Regenerative Medicine Center, Cambridge, USA

"The ibidi **µ-Slide 4 Well** and **µ-Slide 8 Well** that I am working with are actually the best products I have tested so far for cultivating D3 mouse embryonic cell lines. They attach well to the treated slide (ibiTreat µ-Slides), and the resulting morphology is very similar to the one they have on regular plastic. That is something very unique to those microscopic slides, since D3 mESCs do not attach to glass and form embryoid-like structures. I tested other non-glass slides from other manufacturers but the ibiTreat µ-Slides are the only ones that give me a physiological-like morphology."

Madeleine Zerbato
Brigham Regenerative Medicine Center
Cambridge, USA

http://brmc.bwh.harvard.edu/

Des Field, University College Cork, Ireland

"I'm glad to say that the ibidi plates were ideal for our purposes. I am working with bacteria (Staphylococci and Pseudomonas) that form biofilms on surfaces. They easily form biofilms in regular 96 well polystyrene microtiter plates but these cannot be visualized by confocal microscopy. We are using combinations of antibiotics to eradicate these biofilms and wished to use live/dead fluorescence staining and confocal microscopy to visualize the results. We set up the experiment using the **ibidi µ-Plate 96 Well plates** and we were able to observe perfectly the results of our experiments. We will be hoping to upscale this type of work in the near future (given the quality of the results we have achieved) and so will hope to be ordering more of these microtiter plates in the near future."

Des Field
University College Cork
Ireland

https://www.ucc.ie/en/microbiology/

Barbara Fogli, Medical University Innsbruck, Austria

"I tested the **µ-Slide 4 Well** for the culturing of mice DRG neurons. I found them particularly useful for my experiments, since they allow me to have different conditions within the same slide, and to directly do staining and microscopy within the same slide.

After testing them, I decided to order a box of the **µ-Slide 4 Well $^{Ph+}$**, because the plastic layer in the middle of the wells allows me to have a more homogeneous distribution of the neurons, which is optimal for microscopy."

Barbara Fogli
Medical University Innsbruck
Austria

http://www.neuroanatomie.at/

Jessica Davis, University College Dublin, Ireland

"I used the µ-Slide 8 Well in the **glass version** and in the **plastic version** with ibiTreat. They were perfect for my experiment—I was performing live cell imaging on 3D cell culture. I found that the Matrigel adhered very well to both slides. The coverslip thickness of the base resulted in superb imaging. Additionally, I noticed that the lid was very secure compared with other chamber slides I have used in the past. I am very happy with the product and have recommended it to other colleagues."

Jessica Davis
University College Dublin
Ireland

http://www.ucd.ie/

Catarina Leite Pereira, University of Porto (INEB), Porto, Portugal

"I have done some experiments using the **µ-Slide 2 Well** and **µ-Slide 4 Well** for static culture *ex vivo*, and imaging of intervertebral discs at the IN Cell Analyzer. They work perfectly! Thank you very much, these slides are really very useful, since I have been struggling for some time trying to find the appropriate support to visualize this kind of sample."

Catarina Leite Pereira
University of Porto (INEB)
Porto
Portugal

http://www.ineb.up.pt/

Renate Gehwolf, Paracelsus Medical University, Salzburg, Austria

"We are currently using the **Culture-Insert** to perform wounding experiments with somatic stem cells, and also the **2D chemotaxis slides** to study the migratory behavior of these cells. We are very happy with the products, because they are user-friendly, especially for wounding assays, as we do not want to do scratching because of the inevitable high variability. However, with the ibidi Culture-Inserts, we can perform highly reproducible experiments. We will definitely use them again."

Renate Gehwolf
Institute of Tendon & Bone Regeneration
Paracelsus Medical University
Salzburg, Austria

http://hpnew.pmu.ac.at/en/research/research-institutes-and-programs/tendon-and-bone-regeneration.html

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John Fassett, University of Graz, Austria

"The **µ-Slides 8 Well** are great! I really like the ones with the grid. We were able to use them for the live cell imaging of transfected GFP and RFP fusion proteins and could see some really good images."

John Fassett
University of Graz
Austria

http://www.uni-graz.at/

Maros Mastrak, Medical University Innsbruck, Austria

"I tried your mounting medium, which worked really great. I had an older one from a different manufacturer, but it caused very high background levels. However, with the **ibidi Mounting Medium**, I was able to save at least half of the exposure times and gain much clearer results."

Maros Mastrak
Medical University Innsbruck
Austria

https://www.i-med.ac.at

Kenneth Martin, University College Cork, Ireland

"Thank you for the great products that you have developed over the years. The **ibidi Pump System** has immeasurably helped our research. We have recently published a paper in "Stem Cells" that uses your flow system, the **µ-Slide I Luer**, and the **µ-Plate 96 Well** very effectively. It seems to me that ibidi are constantly coming up with clever and useful products, and I like to keep an eye on what interesting things are coming out next from them."

Kenneth Martin
University College Cork
Ireland

http://www.ucc.ie/en/

Stefanie Kirchberger, Children's Cancer Research Institute, Vienna, Austria

"We tested the **µ-Slide 2 Well** and **µ-Slide 8 Well** in the uncoated version for the confocal microscopy of fish larvae. Both types of slides worked fine on our confocal microscope. We have already ordered another bunch of those slides for the lab!"

Stefanie Kirchberger
Children's Cancer Research Institute
Vienna, Austria

http://science.ccri.at/

Tim Sanchez, Harvard University, Cambridge, USA

"For my research, I need to take time-lapse images of mouse embryos developing from the 1 cell stage all the way to 5-day blastocyst. Anyone who has worked with mouse embryos knows they are incredibly sensitive and delicate, so we required an extremely stable environment over several days. I struggled for months with a different system, but the **ibidi Heating Stage** worked very quickly. I was immediately impressed with the quality. Calibration with the included thermocouple was easy and accurate. Now I get consistent development every time, and the percentage of embryos developing to blastocysts is the same as the control incubator! Terrific product, thanks ibidi."

Tim Sanchez
Harvard University
Cambridge
USA

http://www.needleman.seas.harvard.edu/index.html

Emily Lynes, German Centre for Neurodegenerative Diseases, Tübingen, Germany

"Thanks for providing such a great practical **course on chemotaxis assays**. I have subsequently been successful in optimizing a chemotaxis protocol for THP-1 immune cells! I am sure I never would have managed to set up this experiment at all without your help."

Emily Lynes
German Centre for Neurodegenerative Diseases
Tübingen
Germany

https://www.dzne.de/en/research-institute-for-neurodegenerative-diseases.html

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Peter Krenn, Laboratory for Immunological and Molecular Cancer Research, Salzburg, Austria

"Investigating the homing of primary human chronic lymphocytic leukemia cells in NOD-SCID mice has always been a demanding experimental approach due to the delicate cells and the high working load. Using **Fuse-It-Color** dyes, we were able to label the cells in an easy, quick, and robust manner, which, at the same time, did not interfere with the homing capacities of the cells, thereby making a complex experiment easier."

Peter Krenn
Laboratory for Immunological and Molecular Cancer Research
Salzburg
Austria

http://www.limcr.at/en

Stephane R. Gross, Aston University, Birmingham, United Kingdom

"For my group, the efficient labeling of cells is an extremely important issue. Since most of our cells are very sensitive to changing medium conditions, mild and fast labeling is a must. We have found, in the very short time we have used the system and therefore without real optimization, that both the **Fuse-It-Color** and **Fuse-It-P** were very well functional, with the latter perfectly capable of delivering our target proteins into HeLa cells. Such delivery was obtained using relatively low amounts of exogenous proteins and incubation times as short as 5 minutes."

Dr. Stephane R. Gross
Lecturer in Cellular Biology
School of Life and Health Sciences
Aston University Birmingham
United Kingdom

http://www.aston.ac.uk/lhs/research/

Jing Zhiao Garland, University of Cambridge, United Kingdom

"Thank you very much for organizing the **Training Course**. It was very helpful. We all enjoyed the course very much and I felt I was energized after attending this training. A big special thank you for letting me rediscover the great value of the ibidi website."

Jing Zhao Garland
University of Cambridge
Department of Medicine
Cambridge
United Kingdom

http://www.med.cam.ac.uk/

Michael Börsch, Jena University Hospital, Friedrich Schiller University, Jena, Germany

"The incorporation of transmembrane proteins from proteoliposomes or detergent-containing buffers into black lipid membranes is a very dicey issue. I have used your high fusogenic **Fuse-It-P** for this purpose and it really worked perfectly. It was an extremely simple preparation, and the incorporation was very reliable and easily adjustable. It made this very difficult step for all experiments in my institute much easier. Thanks a lot."

Prof. Dr. Michael Börsch
Single-Molecule Microscopy Group
Jena University Hospital
Friedrich Schiller University Jena
Germany

http://www.m-boersch.org/index.html

Ivan Bedzhov, University of Cambridge, Gurdon Institute, Cambridge, United Kingdom

“We looked for an imaging-compatible material that supports embryo attachment. This led us to establish that we can successfully grow and image mouse embryos on ibiTreat **µ-Plates 24 Well** and **µ-Slides 8 Well** from ibidi, which have optical properties similar to glass, and allow efficient blastocyst attachment. Thus, ibidi slides and plates are now an indispensable part of our *in vitro* culture methodology.“

Ivan Bedzhov
University of Cambridge
Gurdon Institute
Cambridge
United Kingdom

http://www.gurdon.cam.ac.uk/

Reinhard Windoffer, Institute for Molecular and Cellular Anatomy (MOCA), University Hospital RWTH Aachen, Germany

"The incorporation of magnetic beads into cells for use in our magnetic tweezers experiments was extremely difficult and stressful for our cells. With **Fuse-It-Beads**, we can now easily perform the incorporation within a few minutes, making our experiments much easier and more reliable."

Dr. Reinhard Windoffer
Institute for Molecular and Cellular Anatomy (MOCA)
University Hospital RWTH Aachen
Germany

www.ukaachen.de

Anuradha Vajjala, Nanyang Technological University, Singapore Centre on Environmental Life Sciences Engineering, Singapore

"To study the ultra structure of *Streptococcus pyogenes* biofilm grown on mouse embryonic fibroblasts, I used the **ibidi Treat 35mm µ-Dish** to optimize the right conditions of biofilm growth. Simply awesome! It has made life so much simpler for me. Tissue culture combined with microscopy is so much easier now. The dishes are very user-friendly too. I have used the ibidi products to get very good quality images. I am really happy with the products!"

Anuradha Vajjala
Nanyang Technological University
Singapore Centre on Environmental Life Sciences Engineering
Singapore

http://www.scelse.sg/

Dr. Christiane Wiesner

"We use **LifeAct-TagRFP** and **LifeAct-TagGFP2** plasmids in primary human macrophages. The LifeAct probes put us in the position to detect F-actin-rich adhesion structures, without the drawback of disturbing their dynamics. The signal is bright and clear without the background of nonintegrated G-actin. LifeAct gives us the opportunity to highlight F-actin-enriched, cytoskeletal organizations, without the disadvantages of fluorophore-tagged actin overexpression."

Dr. Christiane Wiesner
University Medical Center
Hamburg-Eppendorf
Hamburg
Germany

www.linderlab.de

Randy Van Der Ploeg, St. Boniface Research Centre, Winnipeg, Manitoba, Canada

"We are pleased with the **ibiTreat 35 mm culture dishes**. I have given some of your product to one of our grad students to try and he is amazed with the robust axonal outgrowth that he finds only after one day of seeding cells. I have tested other dishes from your competitors and I did not get the reproducibility in growth characteristics like the ibiTreat µ-Dish.

The 35 mm dish holds up wonderfully to automated scanning over a wide scan area (essentially 98% of the growth surface area) which demonstrates the optical clarity and focal stability of the surface over such a wide area (1296 scan fields per well). I look forward to using more of the ibidi product lines in the future."

Randy Van Der Ploeg
Division of Neurodegenerative Disorders
St. Boniface Research Centre
Winnipeg, Manitoba
Canada

http://www.sbrc.ca/dnd/

Kaela Varberg, Indiana University, School of Medicine, Indianapolis, USA

"The **µ-Slides Angiogenesis** created by ibidi have significantly increased the efficiency and accuracy of the angiogenesis assays in our lab. Using the ibidi slides not only reduces the amount of time spent capturing images, but it also reduces the time it takes to quantify the data since the structures are in the same focal plane. Another added bonus is the reduced amount of matrigel required for each experiment which saves money!"

Kaela Varberg
Indiana University
School of Medicine
Indianapolis
USA

http://www.iupui.edu/

Shane R. McSweeney, Cardiovascular Division, BHF Centre of Research Excellence, School of Medicine, King's College London, United Kingdom

"The **µ-Slide I Luer** facilitates the culture of endothelial cells under defined complex flow patterns. We are particularly interested in the effects of oscillatory shear stress on redox signaling pathways, and the **ibidi Air Pump and Fluidic Units** are ideal systems for this purpose. The µ-Slides are convenient for both live and fixed cell imaging as well as the collection of protein and RNA samples and other cell analyses. The system has allowed us to easily investigate physiological shear patterns *in vitro* without a background in engineering."

Shane R. McSweeney
Cardiovascular Division
BHF Centre of Research Excellence
School of Medicine
King's College London
United Kingdom

http://www.kcl.ac.uk/medicine/research/divisions/cardio/bhf/index.aspx

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Judith Cathcart, Advanced Optical Microscopy Facility, University Health Network, Toronto, Canada

"The ibidi chambers (**Culture-Inserts**) we used in our wound healing assays helped to keep the cell free area clean and consistent in size without damaging the ECM or leading edge of the cell fronts, making analysis of results more manageable and comparable. They're convenient and easy to use and their small size helps to conserve precious cells and culture materials. We'd certainly use them again."

Judith Cathcart
Advanced Optical Microscopy Facility
University Health Network
Toronto
Canada

http://www.uhnresearch.ca/facilities/aomf.htm

Jason W. Bjork, PhD, 3M Corporate Research Materials Laboratory, St. Paul, USA

"The ibidi **Culture-Inserts** for wound healing assays provide a new line of testing for us. We wouldn't do traditional scratch assays at all because of the inherent variation, but with the new inserts we're able to provide many images to support our research. Our results are repeatable and reliable regardless of which researcher conducts the assay."

Jason W. Bjork
3M Research Materials Laboratory
St. Paul
USA

www.3M.com

Ross Flockhart, PhD, Stanford School of Medicine, Stanford, USA

"The ibidi cell migration **Culture-Inserts** enabled me to perform highly reproducible and quantitative migration experiments. Since physical scratching isn't required, uniformity is maintained and adverse wounding responses are not an issue.

The online quantification tool **WimScratch** for the assay is also fantastic and it yields quantitative data from the images extremely quickly with little effort required. I'd definitely recommend it for migration studies."

Ross Flockhart, PhD
Stanford School of Medicine
Department of Dermatology
Stanford
USA

http://khavarilab.stanford.edu/

PD Dr. Peter J. Hanley, University of Münster, Münster, Germany

"In the past 5 years, we have extensively used the ibidi **µ-Slide Chemotaxis ^{2D}** to

perform time-lapse images of primary mouse macrophages migrating in a chemoattractant gradient. We are most grateful that this device was developed, otherwise it would have been technically difficult to perform robust chemotaxis assays over long time periods (in our case, up to 14 h). By adding a little food coloring dye to the chemoattractant solution one can observe that the dye requires days to equilibrate with the opposing reservoir. Gradient kinetics can be measured by substituting the chemoattractant for a fluorescent dye (with similar molecular weight) and taking serial confocal fluorescence images in the observation area, the narrow channel which connects the two reservoirs."

PD Dr. Peter Hanley
University of Münster
Institute of Molecular Cell Biology
Münster
Germany

http://www.uni-muenster.de/Biologie.AllgmZoo/

Dr. Juliane Merl, Helmholtz Zentrum München, Germany

„We used the **Torpedo ^{siRNA} Transfection Reagent** for the transfection of human retinal pigment epithelial cells and experienced a reproducible and efficient knock-down of our protein of interest; even with really low amounts of siRNA."

Dr. Juliane Merl
Research Unit Protein Science
Helmholtz Zentrum München
Germany

www.helmholtz-muenchen.de/institute/abteilung-proteinanalytik-prot/index.html

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Loïc Dupré, INSERM, Toulouse, France

"The ibidi **µ-Slides Chemotaxis 2D and 3D** have been the key to my research on lymphocyte chemotaxis. These slides have allowed me to track and visualize directional motility in lymphocytes. The generated chemokine gradients are stable for over 24 hours and the viability of the cells is amazingly good, allowing for measurements of chemotaxis over prolonged time frames.

I am also using the ibidi Gas Incubation and Temperature Control Systems, which are robust and guarantee perfect stability. Very importantly, the product developers at ibidi provide a great support for the implementation of their systems. Thanks to ibidi for developing cell imaging products of such great quality!"

Loïc Dupré PhD
INSERM UMR 1043
Purpan University Hospital
Toulouse
France

http://www.cptp.inserm.fr/

Sam Noppen, Rega Institute for Medical Research, Leuven, Belgium

"I used the ibidi **µ-Plate Angiogenesis 96 well** for bioluminescence measurements. The plate performed exceptionally well for this specific application, as it reduced my sample volume drastically and the optical quality was just superb."

Sam Noppen
Rega Institute for Medical Research, KU Leuven
Leuven
Belgium

http://www.kuleuven.be/rega/cmt/

Joanne Marrison, University of York, UK

"I plated and transfected cells on the ibidi **µ-Slide 8 well** alongside the regular chambers we normally use and they were very good. In fact, I particularly liked the lids which seem more secure than our regular 8-well chambers and the fact that they are 'slide' sized with space for writing a label. Another bonus was the individual packaging which gives me greater confidence on sterility particularly when not all the chambers in a pack of 8 are used at once. So all in all great."

Joanne Marrison
Imaging and Cytometry Laboratory (B/K051)
Bioscience Technology Facility, Department of Biology
University of York, York
United Kingdom

www.york.ac.uk/biology/tf

Matthew Taylor, PhD, Princeton University, Princeton, USA

"The **35 mm µ-Dish** is invaluable for high resolution imaging performed in support of my work. The optical plastic is fantastic substrate for building compartmentalized neuronal cultures. Thank you for making great products."

Matthew Taylor
Post-doctoral Fellow
Department of Molecular Biology
Princeton University
Princeton, NJ
USA

http://molbio.princeton.edu/

Dr. Esther G.L. Koh, National University of Singapore, Singapore

"ibidi made it much simpler for me to prepare cells for confocal microscopy and live-cell timelapse microscopy. Cells that attached poorly to glass grew better on ibidi µ-Slides/Dishes. The **µ-Slide Angiogenesis** allowed me to minimise the amount of cells and reagents required for an experiment."

Dr. Esther G.L. Koh
Head, Advanced Imaging Laboratory
Life Sciences Institute Immunology Programme
National University of Singapore
Centre for Life Sciences
Singapore

Dr. Nynke van den Akker, Maastricht University, Maastricht, The Netherlands

"We've been working with the **ibidi Pump System** and **Labware** for over 5 years now and have recommended it to numerous colleagues as well. The plastics are ideal for cell culture and all forms of imaging, including automated imaging (easy to focus) and all sorts of fluorescence (clear, optically superb plastics). The ibidi Pump System in fact made the endothelial cell under flow the default of our lab! And above all, the technical support is always fast and efficient."

Dr. Nynke van den Akker
Department of Cardiology
Maastricht University
Maastricht
The Netherlands
www.maastrichtuniversity.nl/web/show/id=74913/langid=42

Owen McCarty, PhD, Oregon Health & Science University, Portland, USA

"The **ibidi platforms** have opened new possibilities for our group to utilize small volumes of blood to characterize the cell biology of platelets and white blood cells. Moreover, we have greatly benefited from collaborating with the technical representatives at ibidi to discuss ways to multiplex the ibidi platforms to address our experimental questions."

Owen McCarty, PhD
Associate Professor
Department of Biomedical Engineering
Oregon Health & Science University
Portland, Oregon
USA

http://www.ohsu.edu/xd/education/schools/school-of-medicine/departments/basic-science-departments/biomedical-engineering/

James J. Faust and David G. Capco, Arizona State University, Tempe, USA

"ibidi has made the tedious process of correlated light- and scanning electron microscopy remarkably simplified with their **µ-Dishes 35mm, high glass bottom Grid 500**. This product combines all of the essential elements for high quality imaging: optically flawless glass essential for high resolution light microscopy, media reservoirs suited for a variety of imaging systems, and a grid system to rapidly relocate specimens in the scanning electron microscope. This product has made the difficult easy."

James J. Faust and David G. Capco
Molecular and Cellular Biosciences
Arizona State University
Tempe, AZ
USA

http://mcb.asu.edu/

Dr. Thomas A.J. McKinnon, Imperial College London, UK

„I work with the ibidi slides because they are superior to any other product of this kind on the market. They are easy to use, give consistent results, economical and are suitable for a wide range of applications. The **flow slides** have without a doubt transformed my labs research and made many new experiments possible. Well done ibidi! I am indeed extremely happy with the ibidi products."

Dr. Thomas A.J. McKinnon BSc, PhD
Post Doctoral Research Associate
Department of Hematology
Imperial College London
UK

http://www.imperial.nhs.uk/hammersmith/

Prof. Dr. Markus Sauer, University of Wuerzburg, Germany

„ibidi slides are compelling!
We tested the open **µ-Slides with 8 wells** for live-cell super-resolution imaging by dSTORM with SNAP-tags. The quality of the super-resolved images was impressive."

Prof. Dr. Markus Sauer
Biotechnology & Biophysics
Julius-Maximilians-University Wuerzburg
Germany

http://www.super-resolution.biozentrum.uni-wuerzburg.de/research_topics/super_resolution_imaging/

Prof. Dr. Stefan Zahler, University of Munich, Germany

„Using the „**angiogenesis slide**" from ibidi is the only possibility that I know for achieving a consistently good optical quality in the tube formation assay, and saving Matrigel at the same time.

In comparison to other systems, the **heating stage** from ibidi shows superior thermal stability and enables you to work with high humidity (>80%). This is not possible with other systems but is indispensable for long-term studies."

Prof. Dr. Stefan Zahler
Pharmaceutical Biology
Munich Center for System-Based Drug Research
Ludwig-Maximilians-University
Germany

www.pharmbiol.cup.uni-muenchen.de

Jason Jacoby, University of Illinois, USA

„Actually, **ibidi dishes** have single-handedly revolutionized my science. The cells that I use (horizontal retinal cells from fish) are extremely intolerant to being plated on any form of glass, even if the glass is treated with several different compounds. Because of this issue, I was only able to perform fluorescent microscopy on upright confocal microscopes; they allowed us to plate our cells on plastic dishes and image from above. Now, with the ibidi dishes, we are able to use better quality inverted microscopes and

higher powered objectives. Our results have proven strong, and we have mentioned the power of ibidi products in our most recent publication.

I am so happy that I learned of your great products through a colleague. Microscopy will never be the same for our laboratory. So far I have purchased 3 boxes of 35mm ibiTreat high dishes. Thank you very, very much."

Jason Jacoby PhD Candidate
Laboratory of Neuroscience
University of Illinois at Chicago
USA

http://www.uic.edu/las/LIN

Prof. Dr. Klaus Palme, University of Freiburg, Germany

„The cooperation with ibidi made it possible to provide cell culture systems with a unique optical quality. The use of **ibidi slides** allowed for image acquisition in the necessary optical resolution, so that development processes in living proteoplasts of the model plant *Arabidopsis thaliana* could be explored. The µ-Slides allow monitoring of developmental processes in highest resolution. This enables us to use genetic techniques for recording and controlling the necessary processes of organ development."

Prof. Dr. Klaus Palme
Institute for Biology II
Freiburg Institute for Advanced Studies FRIAS – School of Life Sciences
Albert-Ludwigs-University Freiburg
Germany

http://www.frias.uni-freiburg.de/lifenet