MICROSCOPE EQUIPMENT
WARM PLATE / HEAT PLATE / HOT PLATE
AUTOMATIC THERMAL CONTROL SYSTEM
FOR MICROSCOPE STAGE
All products from KITAZATO Science Co., Ltd. are manufactured under strict quality control in compliance with ISO9001.

KITAZATO IS A GROUP OF COMPANIES FOUNDED IN JAPAN IN 1996 INVOLVED IN MANUFACTURE OF REPRODUCTION BIOTECHNOLOGIES PRODUCTS AND RECOGNIZED AS A LEADER IN RESEARCH AND DEVELOPMENT OF NEW DEVICES IN ASSISTED REPRODUCTION TECHNIQUES
KITAZATO WARM PLATES FOR DIFFERENT BRANDS OF MICROSCOPE

KITAZATO warm plates are compatible with microscopes from Olympus, Nikon, Leica, Carl Zeiss, etc.

Accuracy of thermal control and stability during microscope observation has been improved. Our wide product range satisfies various demands in biology, biotechnology, industry and other fields.

EXPERTS AND EXPERIENCED ENGINEERS

KITAZATO warm plates are manufactured by experts and experienced engineers who have passed vigorous in-house examination standards. We welcome custom-order requests to meet your demands.
MICRO WARM PLATE

Micro warm plate is a thermo plate with a transparent glass surface. It ensures accurate thermal control of specimens at your desired temperature during microscope observation. Thermal stability has been greatly improved with KITAZATO original technology; combining PID system with heat generation in the glass plate.

Japan patent No. 2835422   Utility model No. 3016894   USA patent No. 5717190
Europe patent No. EP0758756 / EP0875779

FOR BIOLOGICAL STEREO MICROSCOPE

MP-500
Small Flat Type. Space for 3 pcs of slide glasses. Optimal for small stage and limited space.

Compatibility Biological Stereo Microscope

MP-2000
Mid-size Flat Type. Sufficient space for warming multiple dishes during your observation. Optimal for large stage.

Compatibility Biological Stereo Microscope

MPF-10HF-N

FOR INVERTED MICROSCOPES

MP-1000
Small Flat Type. Flat surface for easy handling and relocation of specimens. Applicable for most types of biological stereo microscopes.

Compatibility Biological Stereo Microscope

MP-3000
Large Flat Type. Sufficient space for observation of small animal specimens. It is also applicable for use a hot plate to warm specimens with stable temperature.

Compatibility Biological Stereo Microscope

MPF-10HF-0

Compatiblity MPF-10HF-0
Nikon: Ti, TE2000, TE300, TE200
Olympus: IX70, IX71, IX73
Leica: DMI3000, DMI4000, DMI6000

*Glass plate with hole in the middle is also available. Optimal for observation with high magnification / laser irradiation.
*Please feel free to inquire us for your needs. We have various types of plates designed to fit different microscope stages.

MPF-10HF-ZK

Compatibility MPF-10HF-ZK
Nikon: Ti, TE2000, TE300, TE200
Olympus: IX70, IX71, IX73
Leica: DMI3000, DMI4000, DMI6000

*Glass plate with hole in the middle is also available. Optimal for observation with high magnification / laser irradiation.
*Please feel free to inquire us for your needs. We have various types of plates designed to fit different microscope stages.
**FOR STEREO MICROSCOPE**

**MPF-10-SAP**
Universal warm plate with transparent thermal surface and height adjustable legs. It is applicable for use with various types of stereo microscopes.

**Compatibility** Stereo Microscope

**PRODUCT LINE FOR DIFFERENT BRANDS**

**MPF-10-SZX-ILLK**
Designed to fit the stage and provide efficient workstation. Install on microscope stage with captive screws.

**Compatibility** Olympus: SZX16, SZX10 (Type ILLB, ILLK, ILLD)

**MPF-20-SMZ**
Install on microscope stage with circular opening.
* Spacer is needed if the microscope had no transmitted illumination base.

**Compatibility** Nikon: SMZ

**MPF-10-MZ**
Designed to fit the stage and provide flat space to facilitate handling and relocation of specimens. Install on microscope stage.

**Compatibility** Leica: M205, M165
WARM PLATE

MICRO HEAT PLATE

Micro heat plate is a transparent heating plate for microscope. Ambient temperature is from room temperature to 110°C. Used for observation of chronological change of material by heat and thermal behavior. By installing optional program for temperature setting system, you can heat specimens at your desired heating speed. We have various sizes of plates according to your usage.

MICRO HOT PLATE

Micro hot plate is a plate with aluminum heating surface with anodic oxidation coating. Used for heating specimens / devices with stable temperature. Micro hot plate with applicable leg height is also available to match your stereo microscope.

BIOLOGICAL STEREOMICROSCOPE

MP-1000H  MP-2000H  MP-3000H

MICRO HOT PLATE

MHP-250  MHP-430
### SPECIFICATIONS

#### MICRO WARM PLATE

<table>
<thead>
<tr>
<th>Compatibility</th>
<th>Order no.</th>
<th>Code</th>
<th>Plate Size (OD) length x width (mm)</th>
<th>Transparent part length x width (mm)</th>
<th>Glass thickness (mm)</th>
<th>Temperature Range</th>
<th>Accuracy of temperature indication at 37°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biological stereomicroscope</td>
<td>1104</td>
<td>MP-500</td>
<td>106x81</td>
<td>87x60</td>
<td>1.1</td>
<td>Room temperature to 50ºC ± 0.5ºC</td>
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<tr>
<td></td>
<td>1111</td>
<td>MP-1000</td>
<td>145x115</td>
<td>115x85</td>
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<td></td>
<td>1121</td>
<td>MP-2000</td>
<td>220x160</td>
<td>175x115.5</td>
<td>1.6</td>
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<tr>
<td></td>
<td>1131</td>
<td>MP-3000</td>
<td>290x210</td>
<td>236x158</td>
<td>1.6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inverted microscope</td>
<td>1211</td>
<td>MPF-10HF-N</td>
<td>⌀108</td>
<td>⌀80</td>
<td>0.4</td>
<td>Room temperature to 50ºC ± 0.5ºC</td>
<td></td>
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<tr>
<td></td>
<td>1231</td>
<td>MPF-10HF-O</td>
<td>⌀110</td>
<td>⌀80</td>
<td>0.4</td>
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<tr>
<td></td>
<td>1243</td>
<td>MPF-10HF-ZK</td>
<td>159x109</td>
<td>104x75</td>
<td>0.5</td>
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<td>Stereo microscope</td>
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<td>MPF-10-SAP</td>
<td>404x210 (Adjustable height 75 to 90)</td>
<td>382x198</td>
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<td>MPF-20-SMZ</td>
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<td>⌀75</td>
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<td>1289</td>
<td>MPF-10-SZK-ILLK</td>
<td>238x227</td>
<td>142x132</td>
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<td>1280</td>
<td>MPF-10-MZ</td>
<td>219x169</td>
<td>173x123</td>
<td>1.1</td>
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</table>

#### MICRO HEAT PLATE

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Code</th>
<th>Plate Size (OD) length x width (mm)</th>
<th>Glass thickness (mm)</th>
<th>Temperature Range</th>
<th>Accuracy of temperature indication at 37ºC</th>
</tr>
</thead>
<tbody>
<tr>
<td>2101</td>
<td>MP-1000H</td>
<td>145x130</td>
<td>1.6</td>
<td>Room temperature to 110ºC</td>
<td>± 0.5ºC</td>
</tr>
<tr>
<td>2121</td>
<td>MP-2000H</td>
<td>220x160</td>
<td>2.3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2131</td>
<td>MP-3000H</td>
<td>290x210</td>
<td>2.3</td>
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#### MICRO HOT PLATE

<table>
<thead>
<tr>
<th>Order no.</th>
<th>Code</th>
<th>Plate Size (OD) length x width (mm)</th>
<th>Frame thickness (mm)</th>
<th>Temperature Range</th>
<th>Accuracy of temperature indication at 37ºC</th>
</tr>
</thead>
<tbody>
<tr>
<td>3001</td>
<td>MHP-250</td>
<td>250x250</td>
<td>10.0</td>
<td>Room temperature to 50ºC</td>
<td>± 0.5ºC</td>
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<tr>
<td>3004</td>
<td>MHP-430</td>
<td>430x250</td>
<td>10.0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

KITAZATO accepts customization requests. We will meet your demands by manufacturing custom-order plates: size, design and technical