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The Thermo Scientific Matrix line of microplates are manufactured from virgin, medical-grade resins and strictly adhere to standard industry specifications for dimensions. Our quality control standards ensure all plates exhibit very tight dimensional tolerances and the sturdy wall design enables reliable sealing and automated handling.

Enhance your sample storage and assay performance today with Matrix Microplates.

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Thermo Scientific Matrix®
Microplate Data Sheet

Thermo Scientific Matrix
96-Well Polystyrene
Flat Bottom Microplates

Technical Specifications

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Plate Parameters

Composition: Polystyrene
Well bottom: Flat
Well shape: Cylindrical

Dimensions (mm)

- Bottom length: 127.76
- Top length: 123.8
- Corner well center from short sides: 11.24
- Bottom width: 85.48
- Corner well center from long sides: 14.38
- Total height: 14.4
- Distance between cell centers: 9.0
- Internal well dimensions – top: 6.69
- Internal well dimensions – bottom: 6.58
- Well depth: 10.9
- Maximum volume: 370 µl
- Working volume: 50 µl-300 µl

Packaging

4 sleeves of 20 plates per case; Total of 80 plates

All dimensions are in millimeters.

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Thermo Scientific Matrix®
Microplate Data Sheet

Thermo Scientific Matrix
96-Well Polystyrene
U Bottom Microplates

Technical Specifications

<table>
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Plate Parameters

Composition: Polystyrene
Well bottom: U
Well shape: Cylindrical

Dimensions (mm)

- Bottom length: 127.76
- Top length: 123.8
- Corner well center from short sides: 11.18
- Corner well center from long sides: 14.29
- Bottom width: 85.48
- Total height: 14.4
- Distance between cell centers: 9.02
- Internal well dimensions – top: 6.94
- Well depth: 10.3
- Maximum volume: 300 μl
- Working volume: 50 μl-250 μl

Packaging

4 sleeves of 20 plates per case; Total of 80 plates

All dimensions are in millimeters.

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**Thermo Scientific Matrix**
96-Well Polystyrene
V Bottom Microplates

**Technical Specifications**

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<tr>
<td>4914</td>
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**Plate Parameters**

- Composition: Polystyrene
- Well bottom: V
- Well shape: Cylindrical

**Dimensions (mm)**

- Bottom length: 127.76
- Top length: 123.8
- Corner well center from short sides: 11.18
- Bottom width: 85.48
- Corner well center from long sides: 14.29
- Total height: 14.1
- Distance between cell centers: 9.017
- Internal well dimensions – top: 6.18
- Internal well bottom angle: 110°
- Well depth: 10.3
- Maximum volume: 230 μl
- Working volume: 30 μl-180 μl

**Packaging**

- 4 sleeves of 20 plates per case; Total of 80 plates

---

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Microplate Data Sheet

Thermo Scientific Matrix®
96-Well Polystyrene Tissue Culture Treated Microplates

### Technical Specifications

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<td>4941</td>
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<tr>
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<td>Tissue culture</td>
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</table>

### Plate Parameters

- **Composition:** Polystyrene
- **Well bottom:** Flat
- **Well shape:** Cylindrical

### Dimensions (mm)

- **Bottom length:** 127.76
- **Top length:** 123.8
- **Corner well center from short sides:** 11.24
- **Bottom width:** 85.48
- **Corner well center from long sides:** 14.38
- **Total height:** 14.4
- **Distance between cell centers:** 9.0
- **Internal well dimensions – top:** 6.69
- **Internal well dimensions – bottom:** 6.58
- **Well depth:** 10.9
- **Maximum volume:** 370 µl
- **Working volume:** 50 µl-300 µl

### Packaging

8 sleeves of 10 plates per case; Total of 80 plates

All dimensions are in millimeters.

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Thermo Scientific Matrix®
96-Well Polystyrene
Glass Bottom Microplates

Technical Specifications

<table>
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Plate Parameters

- Composition: Polystyrene
- Well bottom: Flat
- Well shape: Cylindrical

Dimensions (mm)

- Bottom length: 127.76
- Top length: 123.3
- Corner well center from short sides: 11.2
- Corner well center from long sides: 14.4
- Bottom width: 85.47
- Total height: 14.9
- Distance between cell centers: 9.0
- Internal well dimensions – top: 6.5
- Well depth: 12.2
- Maximum volume: 400 μl
- Working volume: 50 μl-200 μl

Packaging

- Item no.: 4951
  - 4 sleeves of 5 plates per case; Total of 20 plates

- Item no.: 4953
  - 2 sleeves of 5 plates per case; Total of 10 plates

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384-Well Polystyrene
Flat Bottom Microplates

Technical Specifications

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Plate Parameters

Composition: Polystyrene
Well bottom: Flat
Well shape: Square-round

Dimensions (mm)

- Bottom length: 127.76
- Top length: 123.8
- Corner well center from short sides: 8.99
- Bottom width: 85.48
- Corner well center from long sides: 12.13
- Total height: 14.4
- Distance between cell centers: 4.5
- Internal well dimensions – top: 3.7
- Internal well dimensions – bottom: 3.3
- Well depth: 11.5
- Maximum volume: 120 μl
- Working volume: 25 μl-90 μl

Packaging

8 sleeves of 10 plates per case; Total of 80 plates

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Microplate Data Sheet

Thermo Scientific Matrix
384-Well Polystyrene
Tissue Culture Treated Microplates

Technical Specifications

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Plate Parameters

Composition: Polystyrene
Well bottom: Flat
Well shape: Square-round

Dimensions (mm)

- Bottom length: 127.76
- Top length: 123.8
- Corner well center from short sides: 8.99
- Bottom width: 85.48
- Corner well center from long sides: 12.13
- Total height: 14.4
- Distance between cell centers: 4.5
- Internal well dimensions – top: 3.7
- Internal well dimensions – bottom: 3.3
- Well depth: 11.5
- Maximum volume: 120 μl
- Working volume: 25 μl-90 μl

Packaging

8 sleeves of 10 plates per case; Total of 80 plates

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Thermo Scientific Matrix
384-Well Polystyrene Low-Volume
Low-Profile Microplates

Technical Specifications

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Plate Parameters

Composition: Polystyrene
Well bottom: Flat
Well shape: Conical-cylindrical

Dimensions (mm)

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</tr>
<tr>
<td>Corner well center from short sides</td>
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<tr>
<td>Bottom width</td>
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<tr>
<td>Corner well center from long sides</td>
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</tr>
<tr>
<td>Total height</td>
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<td>Distance between cell centers</td>
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<tr>
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<td>Maximum volume</td>
<td>25 μl</td>
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<tr>
<td>Working volume</td>
<td>2 μl-20 μl</td>
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Packaging

8 sleeves of 10 plates per case; Total of 80 plates

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Thermo Scientific Matrix
384-Well Polystyrene
Low-Volume Microplates

Technical Specifications

<table>
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<th>Item no.</th>
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<tr>
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</tbody>
</table>

Plate Parameters

Composition: Polystyrene
Well bottom: Flat
Well shape: Conical-cylindrical

Dimensions (mm)

- Bottom length: 127.76
- Top length: 123.8
- Corner well center from short sides: 8.99
- Bottom width: 85.48
- Corner well center from long sides: 12.13
- Total height: 14.4
- Distance between cell centers: 4.5
- Internal well dimensions – top: 3.3
- Internal well dimensions – bottom: 1.84
- Well depth: 5.5
- Maximum volume: 25 μl
- Working volume: 2 μl-20 μl

Packaging

8 sleeves of 10 plates per case; Total of 80 plates

All dimensions are in millimeters.

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Thermo Scientific Matrix® Microplate Data Sheet

Thermo Scientific Matrix 96-Well Polypropylene U Bottom Microplates

Technical Specifications

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</tbody>
</table>

Plate Parameters

- Composition: Polypropylene
- Well bottom: U
- Well shape: Cylindrical

Dimensions (mm)

- Bottom length: 127.76
- Top length: 123.8
- Corner well center from short sides: 11.24
- Bottom width: 85.48
- Corner well center from long sides: 14.38
- Total height: 14.6
- Distance between cell centers: 9.0
- Internal well dimensions – top: 6.96
- Well depth: 10.9
- Maximum volume: 355 μl
- Working volume: 50 μl-300 μl

Packaging

4 sleeves of 20 plates per case; Total of 80 plates

All dimensions are in millimeters.

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Thermo Scientific Matrix
96-Well Polypropylene
V Bottom Microplates

Technical Specifications

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Sterile</th>
<th>Description</th>
<th>Surface Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>4919</td>
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<tr>
<td>4920</td>
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</tbody>
</table>

Plate Parameters

- Composition: Polypropylene
- Well bottom: V
- Well shape: Cylindrical

Dimensions (mm)

- Bottom length: 127.76
- Top length: 123.8
- Corner well center from short sides: 11.24
- Bottom width: 85.48
- Corner well center from long sides: 14.38
- Total height: 14.6
- Distance between cell centers: 9.0
- Internal well dimensions – top: 6.96
- Internal well bottom angle: 110°
- Well depth: 10.9
- Maximum volume: 340 μl
- Working volume: 50 μl-300 μl

Packaging

4 sleeves of 20 plates per case; Total of 80 plates
Thermo Scientific Matrix
96-Well Polypropylene
1 ml Microplates

Technical Specifications

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Sterile</th>
<th>Description</th>
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<tr>
<td>4212</td>
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</table>

Plate Parameters

Composition: Polypropylene
Well bottom: U
Well shape: Cylindrical

Dimensions (mm)

- Bottom length: 127.76
- Top length: 123.8
- Corner well center from short sides: 11.24
- Bottom width: 85.48
- Corner well center from long sides: 14.38
- Total height: 41.5
- Distance between cell centers: 9.0
- Internal well dimensions – top: 7.0
- Well depth: 38.2
- Maximum volume: 1000 μl
- Working volume: 50 μl-1000 μl

Packaging

40 plates per case

All dimensions are in millimeters.

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Thermo Scientific Matrix®
96-Well Polypropylene
2 ml Microplates

Technical Specifications

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Plate Parameters

Composition: Polypropylene
Well bottom: U
Well shape: Square

Dimensions (mm)

- Bottom length: 127.76
- Top length: 123.8
- Corner well center from short sides: 11.24
- Bottom width: 85.48
- Corner well center from long sides: 14.38
- Total height: 44.0
- Distance between cell centers: 9.0
- Internal well dimensions – top: 8.2
- Well depth: 41.0
- Maximum volume: 2000 μl
- Working volume: 50 μl-2000 μl

Packaging

40 plates per case

All dimensions are in millimeters.
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Thermo Scientific Matrix 384-Well Polypropylene Flat Bottom Microplates

Technical Specifications

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<tr>
<td>4315</td>
<td></td>
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**Plate Parameters**

- **Composition**: Polypropylene
- **Well bottom**: Flat
- **Well shape**: Square

**Dimensions (mm)**

- **Bottom length**: 127.76
- **Top length**: 123.8
- **Corner well center from short sides**: 8.99
- **Bottom width**: 85.48
- **Corner well center from long sides**: 12.13
- **Total height**: 14.4
- **Distance between cell centers**: 4.5
- **Internal well dimensions – top**: 3.8
- **Internal well dimensions – bottom**: 3.6
- **Well depth**: 11.5
- **Maximum volume**: 150 μl
- **Working volume**: 15 μl-130 μl

**Packaging**

8 sleeves of 10 plates per case; Total of 80 plates

All dimensions are in millimeters.

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Thermo Scientific Matrix®
Microplate Data Sheet

Thermo Scientific Matrix
384-Well Polypropylene
U Bottom Microplates

**Technical Specifications**

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<td>Sterile</td>
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**Plate Parameters**

- **Composition:** Polypropylene
- **Well bottom:** U
- **Well shape:** Square-round

**Dimensions (mm)**

- **Bottom length:** 127.8
- **Top length:** 123.7
- **Corner well center from short sides:** 8.9
- **Bottom width:** 85.5
- **Corner well center from long sides:** 12.2
- **Total height:** 14.4
- **Distance between cell centers:** 4.5
- **Internal well dimensions – top:** 3.7
- **Internal well dimensions – bottom:** 1.8
- **Well depth:** 11.7
- **Maximum volume:** 120 μl
- **Working volume:** 4 μl-100 μl

**Packaging**

8 sleeves of 10 plates per case; Total of 80 plates

All dimensions are in millimeters.

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Thermo Scientific Matrix®
384-Well Polypropylene
V Bottom Microplates

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<td>4312</td>
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</table>

Plate Parameters

- Composition: Polypropylene
- Well bottom: V
- Well shape: Square-round

Dimensions (mm)

- Bottom length: 127.76
- Top length: 123.3
- Corner well center from short sides: 8.99
- Bottom width: 85.48
- Corner well center from long sides: 12.13
- Total height: 14.4
- Distance between cell centers: 4.5
- Internal well dimensions – top: 3.8
- Internal well dimensions – bottom: 3.61
- Well depth: 11.75
- Maximum volume: 145 μl
- Working volume: 4 μl-120 μl

Packaging

- 8 sleeves of 10 plates per case; Total of 80 plates

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Thermo Scientific Matrix®
384-Well Polypropylene Deep-Well Microplates

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<th>Description</th>
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<tr>
<td>4326</td>
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</table>

Plate Parameters

- Composition: Polypropylene
- Well bottom: V
- Well shape: Square-round

Dimensions (mm)

- Bottom length: 127.76
- Top length: 123.3
- Corner well center from short sides: 8.99
- Bottom width: 85.48
- Corner well center from long sides: 12.13
- Total height: 22.0
- Distance between cell centers: 4.5
- Internal well dimensions – top: 3.8
- Internal well dimensions – bottom: 3.48
- Well depth: 19.3
- Maximum volume: 240 μl
- Working volume: 2 μl-200 μl

Packaging

80 plates per case

All dimensions are in millimeters.

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Thermo Scientific Matrix®
1536-Well Polystyrene
Flat Bottom High-Gate Microplates

Technical Specifications

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<td>4512B</td>
<td>White</td>
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<td>4515B</td>
<td>Black</td>
<td>Medium binding</td>
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</tr>
<tr>
<td>4514B</td>
<td>White/Clear bottom</td>
<td>Medium binding</td>
<td></td>
</tr>
<tr>
<td>4517B</td>
<td>Black/Clear bottom</td>
<td>Medium binding</td>
<td></td>
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</table>

Plate Parameters

- Composition: Polystyrene
- Well bottom: Flat
- Well shape: Square-round

Dimensions (mm)

- Bottom length: 127.76
- Top length: 123.82
- Corner well center from short sides: 7.87
- Bottom width: 85.48
- Corner well center from long sides: 11.01
- Total height: 10.4
- Distance between cell centers: 2.25
- Internal well dimensions – top: 1.7
- Internal well dimensions – bottom: 1.53
- Well depth: 5.0
- Maximum volume: 12 μl
- Working volume: 1 μl-10 μl

Packaging

15 plates per case

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