

Technical Data Sheet

Product Name: Deep Well Plate Sealing Mats

Catalogue No.: T110 Series

1. Product Description:

- Impermeable sealing mats designed to effectively seal compatible Simport's Deep Well plates.
- Designed to minimize evaporation and solvent volatilization in PCR and storage applications.
- Easy to open and close.
- Resistant to DMSO and biological buffers.
- No adhesive is used, reducing the risk of sample contamination.

2. Catalogue Reference Chart:

Catalogue No.	Wells	Well shape	Pre-slit	Plate compatibility	Material	Temperature range	Qty/Pk / Qty/Cs
T110-25	96	Round	No	96-round-well plates	Polyolefin elastomer	-80 °C to +80 °C	- / 24
T110-26	96	Square	No	96-square-well plates	Polyolefin elastomer	-80 °C to +80 °C	- / 24
T110-55	96	Square	No	96-square-well plates	Silicone	-50 °C to +200 °C	10 / 50
T110-57	96	Square	Yes	96-square-well plates	Silicone	-50 °C to +200 °C	10 / 50
T110-59	96	Square	Yes	96-square-well plates	Silicone	-50 °C to +200 °C	10 / 50
T110-61	96	Round	Yes	T110-1, T110-4, T110-4V	Silicone	-50 °C to +200 °C	10 / 50
T110-63	96	Round	Yes	T110-8	Silicone	-50 °C to +200 °C	10 / 50
T110-65	24	Square	No	T110-23, T110-28	Silicone	-50 °C to +200 °C	10 / 50
T110-67	48	Square	No	T110-29	Silicone	-50 °C to +200 °C	10 / 50
T110-69	384	Square	No	T110-49	Silicone	-50 °C to +200 °C	10 / 50

3. Product Specification:

- Materials: polyolefin elastomer or silicone
- Temperature ranges are model-specific and are identified in the catalogue reference chart.
- Silicone models are chemical- and heat-resistant and are autoclavable.
- Certified free of RNase, DNase, DNA and pyrogens.

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- Tested at 95 kPa.

4. Standards and Conformity:

- **ISO 9001** Produced in compliance with an ISO 9001-certified quality management system.
- **Inspection** Inspections are performed in accordance with Simport's internal quality control procedures.

5. Quality Control:

- Clear, no presence of contamination in product
- Visual attributes

6. Traceability:

- Lot No. Composition: 10 digits
- The lot number can be found in one or all of these locations, if applicable:
 1. On exterior case label
 2. On label inserted inside the master case
 3. On the inner bag

7. Storage Conditions:

- Store in a clean, dry environment at room temperature.
- Avoid temperature variations and humidity
- Protect from any possible contamination
- Protect from any damage to the packaging

8. Recommended Use:

- For sealing compatible Deep Well plates in PCR and storage applications.
- Suitable for storage applications involving DMSO, biological buffers and more aggressive solvents.
- Use the pre-slit silicone models when pipette-tip access through the sealing mat is required.
- Silicone models may be reused following a bleach wash and ethanol rinse protocol.

9. OWNERSHIP OF MATERIALS

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