



Technical information sheet

Solventum™ Microfluidic Diagnostic Tape 9972A

Effective: September 2022

Supersedes all previous information sheets

Product description

Microfluidic Diagnostic Tape 9972A, consists of a white polyester film coated on both sides with a pressure sensitive acrylate adhesive. The tape is supplied between two clear, silicone coated polyester release liners. The product is designed for use in diagnostic medical devices such as test strips and lab-on-a-chip devices.

Features and benefits

- Hydrophobic adhesive resists clouding
- Adheres to a variety of substrates
- White polyester carrier
- Double sided adhesive coating
- Non-hemolytic
- Non-toxic to mammalian cells
- Low extractables
- Designed for lab-on-a-chip applications

Composition: Listed in same order as construction

A – Release liner	2 mil (51 um) Clear silicone coated polyester release liner
B – Adhesive	0.7 mil (18 um) Acrylate adhesive
C – Carrier	6.9 mil (175 um) White polyester film
D – Adhesive	0.7 mil (18 um) Acrylate adhesive
E – Release liner	2 mil (51 um) Clear silicone coated polyester release liner

Please note — The following technical information should be considered representative or typical only and should not be used for specification purposes.

Roll description: Default 6 in (152 mm) plastic core

Length, maximum	1500 yd (1372 m) \pm 2%
Width, maximum	48 in (122 cm) \pm 0.06 in (1.52 mm)
Splices per Roll	Maximum 3 per 350 yd (320 m)

Adhesion & liner release: Represents release specifications at the time of production

Adhesion to steel, 180° peel	\geq 15 oz/in (1.64 N/cm)
Liner release moderate side, 180° peel	\leq 40 gm/in (0.15 N/cm)
Liner release easy side, 180° peel	\leq 20 gm/in (0.08 N/cm)

Biocompatibility testing: The adhesive used in product 9972A, in conjunction with a similar product with a different backing, has been subjected to the following safety evaluations

Study type	Test method	Standard	GLP	Result
In vitro cytotoxicity	Cell lysis & cytotoxicity	ISO 10993-5: ≤2	Yes	Reactivity grade: 0
MEM elution	Cell lysis & cytotoxicity	ISO 10993-5: ≤2	Yes	Reactivity grade: 0
Hemolytic index	Interaction with blood	ISO 10993-4: <2%	Yes	Non-hemolytic (index: 0.0%)
	Test article extract	ISO 10993-4: <2%	Yes	Non-hemolytic (index: 0.0%)

9972A uses the same adhesive as the Solventum 9969 product

Recommended storage conditions & shelf life

Product as supplied by Solventum in original packaging will maintain stated properties for a period of two (2) years from date stamped on shipping container when stored at temperatures of 50-80°F (10-27°C) and a relative humidity between 40-60 percent.

Please see reverse side for important product, safety and warranty information.

Product and safety information: User is solely responsible for determining the suitability of Solventum samples and products for the intended use including any necessary safety or toxicity assessment. Solventum will provide Material Safety Data Sheets or equivalent and summary results of biocompatibility testing upon request. In every case before using any product in full scale production users should conduct their own tests to determine to their own satisfaction whether the product is of acceptable quality and is suitable for their particular purposes under their own operating conditions.

Notice: Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendations to practice any invention covered by any patent, without authority from the owners of this patent.

Warranty information

All statements, technical information and recommendations herein are based on tests Solventum believes to be reliable, but the accuracy or completeness thereof is not guaranteed. Solventum warrants only that products will meet Solventum's specifications at the time of shipment to the customer. Solventum does not offer any other warranty and does not warrant the performance, safety or such other characteristics of products in combination with other materials. Solventum specifically **does not** warrant products for any intended or unintended uses (whether or not foreseeable); for compatibility or suitability with other components or compatibility with any methods of manufacture or conversion. The foregoing warranty is made in lieu of all other warranties, expressed or implied, including the implied warranties of merchantability, fitness for a particular purpose and freedom from non-infringement.

Limitation of remedies: If products are proven not to meet Solventum's specifications, the sole and exclusive remedy available and Solventum's only obligation shall be, at Solventum's option, to replace such quantity of products which are proven out of specification or to refund the purchase price paid for products.

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Call us at Customer Service to place an order: 800-742-1994 (U.S.).

Visit our website: go.Solventum.com/MedTechOEM for product and services information, news about conferences we will be attending, new product highlights or to make a direct inquiry.

To have a sales representative contact you, to request samples or clinical and safety summaries, please contact us at Solventum Helpline 800-742-1994 (U.S.) or for international inquiries, please contact your local country representative.



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