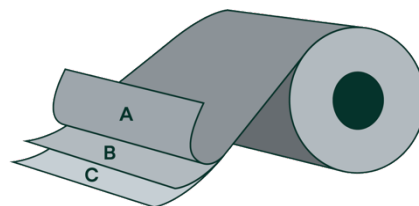


## Technical information sheet

### Solventum™ Microfluidic Diagnostic Tape 9969



#### Product description

Microfluidic Diagnostic Tape 9969, consists of a clear pressure sensitive transfer adhesive. The adhesive 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.

#### Features and benefits

- Designed for high through put converting
- Adheres to a wide variety of substrates
- Transparent
- Low autofluorescence
- Non-hemolytic
- Non-toxic to mammalian cells
- Low extractables
- Designed for cleaner die cutting

#### Composition

<b>A – Release liner</b>	2 mil (0.05 mm) Silicone coated polyester release liner
<b>B – Adhesive</b>	1 mil (0.025 mm) Acylate adhesive
<b>C – Release liner</b>	2 mil (0.05 mm) Silicone coated polyester release liner

#### Roll description

<b>Roll length</b>	1640 yd (1500 m) ± 2%
<b>Roll width</b>	48 in (122 cm) ± 0.06 in (1.52 mm)
<b>Splices per roll</b>	Maximum 3 per 500 yd (457 m) Maximum 5 per 1000 yd (914 m) Maximum 7 per 1500 yd (1372 m)

**Note:** Core material and diameter must be specified in special instructions of order set. Default: 3 in (76 mm) fiber core. Material options: fiber or plastic. Diameter options: 3 in (76 mm) or 6 in (152 mm).

#### Adhesion & liner release

<b>Adhesion to steel, 180° peel*</b>	29.3 oz/in (8.2 N/25.4 mm)
<b>Adhesion to polyester, 180° peel*</b>	38.4 oz/in (10.7 N/25.4 mm)
<b>Adhesion to polycarbonate, 180° peel*</b>	38.5 oz/in (10.7 N/25.4 mm)
<b>Adhesion to acrylic, 180° peel*</b>	35.3 oz/in (9.8 N/25.4 mm)
<b>Adhesion to polypropylene, 180° peel*</b>	7.7 oz/in (2.1 N/25.4 mm)
<b>Liner release moderate side, 180° peel</b>	16.9 gm/in (0.17 N/25.4 mm)
<b>Liner release easy side, 180° peel</b>	4.2 gm/in (0.04 N/25.4 mm)

Represents typical value. \*Adhesion tested after 5-minute dwell time.

**Biocompatibility testing:** Product 9969 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%)

### Optical properties

Transmission: 88.6%	Haze: 11.4%	Clarity: 84.9%
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Represents typical value based on ASTM: D1003.

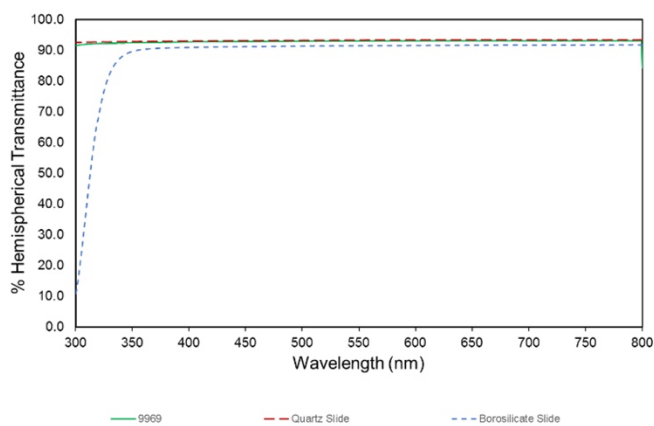
### Spectroscopy

**Integrated emission intensity:** Samples were compared to known reference materials, quartz slide, borosilicate slide and 10 ppb quinine. Quinine sulfate was chosen due to its high purity and stability as a fluorescence standard reference material.

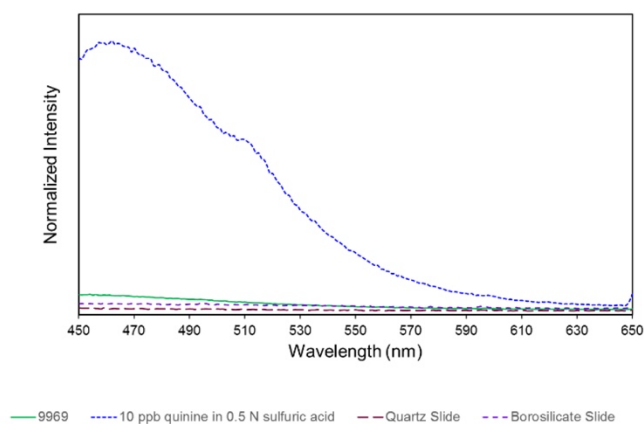
Sample	Integrated emission intensity/10 <sup>6</sup>
Quartz slide	2.9
Borosilicate cover slide	5.7
Solventum 9969	6.6
10 ppb quinine in 0.5 N sulfuric acid	69.3

Represents typical value \* ( $\lambda_{Ex} = 365 \text{ nm}$ ,  $\lambda_{Em} = 450\text{-}650 \text{ nm}$ )

### UV Vis transmittance spectra



### Average fluorescence spectra



### Recommended storage conditions & shelf life

Product as supplied in original packaging will maintain certified properties for a period of one year from date of manufacture when stored at room temperature 68–77 °F (20–25 °C).

**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.

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**Limitations of liabilities:** The remedies provided herein are exclusive remedies against Solventum for any alleged or actual nonconformance to specifications or defect or other failure in products or for Solventum's performance of its supply obligations. Under no circumstances is Solventum liable for any direct, indirect, incidental, special or consequential damages (including lost profits) in any way related to the product under any theory of law including, but not limited to, negligence and strict liability.

#### **Ordering information**

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

Visit our website: [go.Solventum.com/MedTechOEM](https://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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