



**MedTech OEM Segment**

**Solventum™ Microfluidic Diagnostic Tape 9795R**

**Product Description**

Solventum™ Medical Tape 9795R, consists of a clear polypropylene film coated on one side with a pressure sensitive, delayed tack, silicone adhesive. The tape is supplied on a white silicone coated polyester release liner. The product is designed for use in diagnostic medical devices such as test strip, lab-on-a-chip and PCR applications.

**Features and Benefits**

- Silicone Adhesive
  - Delayed tack bonding
- Adheres to a wide variety of substrates
- Transparent
- Low autofluorescence
- Non-hemolytic
- Non-toxic to mammalian cells
- Low extractables
- Designed for PCR use conditions

**Composition**

Backing	2 mil (51 um) Polypropylene film
Adhesive	2 mil (51 um) Silicone adhesive
Liner	2 mil (51 um) White silicone coated polyester release liner

Wind orientation – liner inside

Roll Description	
Roll Length Maximum	750 yd (685 m) ± 2%
Roll Width Maximum	48 in (122 cm) ± 0.06 in (1.52 mm)
Splices per Roll	Maximum 1 per 100 yd (91 m), 3 per 200 yd (183 m), 5 per 400 yd (366 m), 7 per 500 yd (457 m), 9 per 750 yd (685 m)
Discrete rolls sizes available	Please contact your Solventum™ representative to find the available roll size configurations

Adhesion & Liner Release	
Liner Release, 180° Peel	< 15 g/in (0.06 N/cm)
Adhesion to Steel	> 35 oz/in (3.8 N/cm)
Adhesion to Polypropylene (typical)	41.6 oz/in (4.6 N/cm)
Caliper Average	3.3 – 4.7 mil (84 – 119 um)

Adhesion tested after 5-minute dwell time. Adhesion and release values are dependent on test method conditions; values obtained under different test conditions may vary from those listed above.

### Biocompatibility Testing

Product 9795R has been subjected to the following safety evaluations.

Study Type	Tested Method	Standard	Results
Cytotoxicity	Agar overlay	ISO 10993-5	Not cytotoxic
Cytotoxicity	MEM Elution	ISO 10993-5	Not cytotoxic
Hemolytic Index	Interaction with blood	ISO 10993-4	Non-Hemolytic
	Test article extract	ISO 10993-4	Non-Hemolytic

### Optical Properties & Spectroscopy

Transmission	Haze	Clarity
94.7%	2.3%	92.7%

Represents typical value based on ASTM: D1003.

### Integrated Emission Intensity

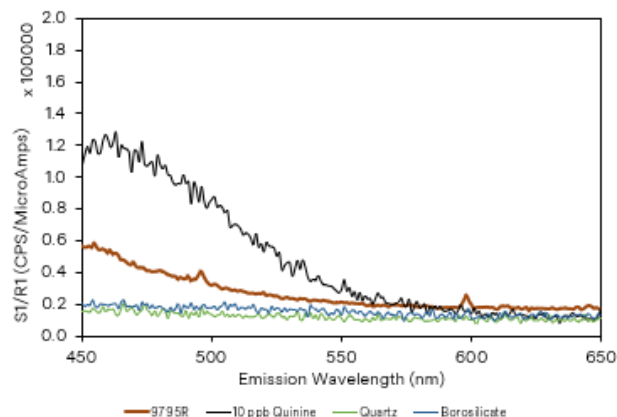
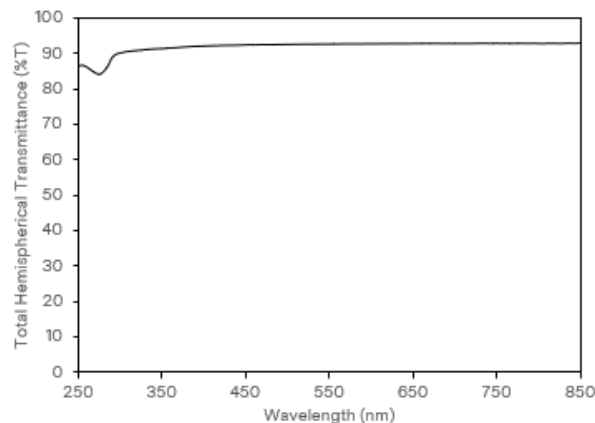
Samples were compared to known reference materials, quartz slide, borosilicate slide and 10 ppb quinine. Quinine sulfate was chosen due to its high purity and stability as a fluorescence standard reference material.

Sample	Integrated Emission Intensity x 10 <sup>4</sup> *
Quartz Slide	2
Borosilicate Cover Slide	3.1
3M 9795	5.7
10 ppb quinine in 0.5 N sulfuric acid	10

\*Sum of emission intensities over the range ( $\lambda_{EX}$  = 365 nm,  $\lambda_{EM}$  = 450-650 nm)

**Average Corrected 9795R Spectra**

**Fluorescence Spectra**



## 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. Product should be stored in the original packaging out of direct sunlight or high intensity indoor lighting.

\*Shelf life relates to the Solventum warranty period for product performance compliant with release specification. When the product is converted in any way, the shelf life of the converted part and/or the shelf life of the end device that the product is incorporated into should be established by OEM customers. Storage conditions based on Solventum internal studies; these may not be representative of actual storage conditions for end use/material incorporated in medical device. We recommend our OEM customers run their own studies using their device design and required storage conditions.

**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.

**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.



### Solventum MedTech OEM

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