

## Introduction of SSCW®- smart surface culture ware

SSCW® is developed by innovative polymer nano-coating technologies to culture and harvest various types of cells without any damage, by just switching temperature of the culture wares

CSTERM is proud to announce a successful launch of SSCW®, a high functional and low-price thermo-responsive smart surface culture ware. CSTERM initiated R&D efforts of SSCW® in 2019 under our triangle collaboration with Hosokawa Yoko Co., Ltd. Japan, and Institute of Advanced Biomedical Engineering and Science Tokyo Women's Medical University.

**Smart Surface Culture Wares (SSCW®)**

CSTERM × HOSOKAWA YOKO × TW MU

Basic Patent licensed from Tokyo Women's Medical University

Patents applied By CSTERM

**SSCW-S**

Standard Adhesive cells

**SSCW-L**

Weaker adhesive cells

Unique polymer nanocoating technology produces "on-demand surface customization" for various type of cells.

**Triangle collaboration to develop SSCW® for global users**

TW MU × CSTERM × HOSOKAWA YOKO

JLSS

Amazon Business

Advancing domain technology of smart polymer for SSCW surface

SSCW product development & smart marketing  
Global market access / Cell culture advisory

High quality and nano-scale smart polymer coating  
Stable production of SSCW at low cost

## SSCW product offering

CSTERM is offering products of SSCW-S (Standard), SSCW-L (Higher adhesive) and SSCW-Mix (trial kit) directly to overseas users.

SSCW® Type	Order Code	Box <Content>	Price (tax exc.)
SSCW-S (Standard)	0350118	SSCW®- S <18 dishes>	Yen 27,000
SSCW-L (Higher Adhesive)	0350218	SSCW®- L <18 dishes>	Yen 27,000
SSCW-Mix (Trial Kit)	035010212	SSCW®- Mix < S&L 12 dishes each >	Yen 12,000

Remark:

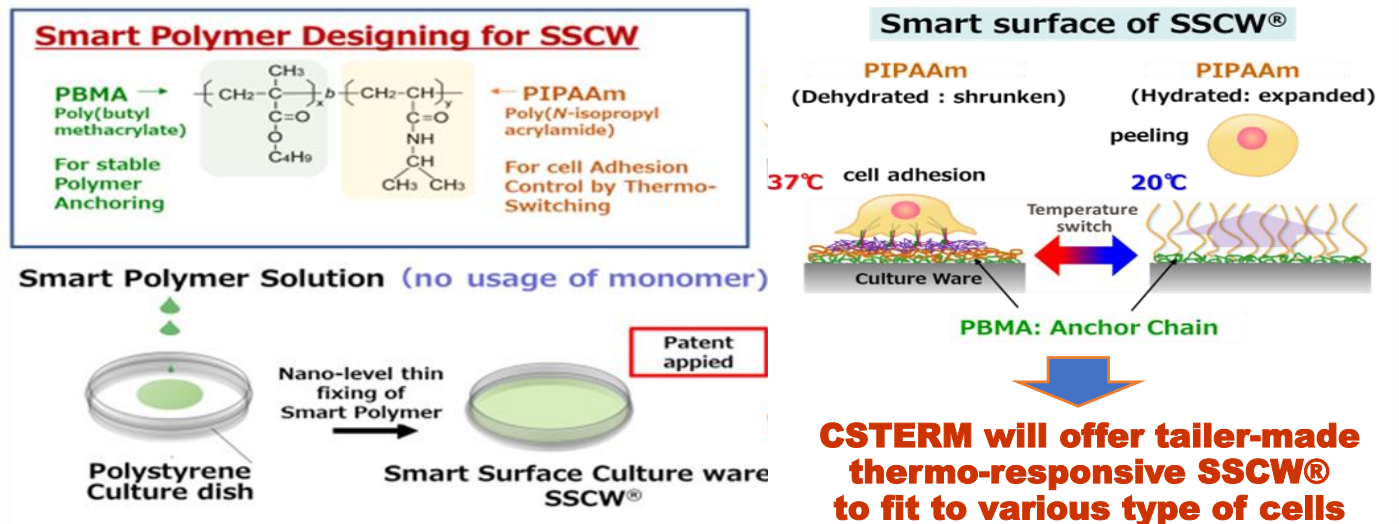
Overseas purchasers are supposed to pay shipping charge and customs duty.

Please visit us: [https://www.csterm.com/SSCW\\_Intro\\_ENG.html](https://www.csterm.com/SSCW_Intro_ENG.html)



## SSCW<sup>®</sup> technical information

### Switching surface by nano-level control of polymer coating



### Our launching plan of SSCW<sup>®</sup> to Market

CSTERM is launching SSCW<sup>®</sup> to market in November, 2024. In case of domestic orders, please kindly submit your order in Japanese to FUJIFILM Wako Pure Chemical Corporation referring to URL <https://labchem-wako.fujifilm.com/jp/category/03314.html>.

Please send your overseas orders and any inquiry on SSCW<sup>®</sup> to [info@csterm.com](mailto:info@csterm.com).

### Scientific papers related to SSCW<sup>®</sup> and its polymer technology

- ✧ **Realization of Thermo-responsiveness**
  - N. Yamada, T. Okano et al., Makromol. Chem., Rapid Commun. 1990; 11: 571-576.
  - T. Okano et al., J. Biomed. Mater. Res. 1993; 27: 1243-1251.
  - T. Okano et al., Biomaterials 1995; 16: 297-303.
- ✧ **Nano-coating technology of thermos-responsive polymer**
  - M. Nakayama, T. Okano et al., Macromol. Biosci. 2012; 12: 751-760.
  - M. Nakayama, T. Okano et al., J. Mater. Chem. B 2020; 8: 7812-7821.
  - M. Nakayama, T. Okano et al., Macromol. Biosci. 2021; 21: 2000330.
- ✧ **Cell culture application by SSCW**
  - Y. Tobe et al., Microvasc. Res. 2022; 141: 104321.

<b>CSTERM</b>	<b>Cell Sheet Tissue Engineering Regenerative Medicine Initiatives</b> <b>Representative Director: Teruo Okano</b>
<b>Address</b>	<b>Ark Mori Building 36F, 1-12-32 Akasaka, Minato-ku, Tokyo, 107-6036, Japan</b>
<b>Inquiry</b>	<b>info@csterm.com</b> <b>Mime Egami, Executive Director</b>