



Press release - 04 Dec 2018

SiMPLInext SA today announces its **P-line** products, for immediate release, comprising a complete set of complementary products from its **SiMPLI & CoMPLI** product families for industrial autonomous automatic TEER (Trans Epithelial Electrical Resistance) measurements of in vitro reconstituted human biological barriers, and pre-announces a range of its **Q-line** products, for release in 2019 Q1. The wellplate slide-in acquisition module is the key component of the first preclinical IoT platform for in vitro qualified industrial human tissue.

Usage and application: monitoring of physiological barrier function expression of cell agglomerates of intestine, lungs, blood-brain barriers, namely human biological barriers in vitro models. TEER values increase accordingly to the establishment of an efficient barrier, thus becoming suitable for determining the predicative ability of in vitro microphysiological systems of biological barriers to answer critical regulatory questions.

SiMPLI & CoMPLI product families: the **SiMPLI** product family comprises **SiMPLI-T** inserts based on a superior ceramic membrane technology, and in-insert electrodes; with the **SiMPLI-Connect** technology, this provides 'Incubator-on-Line' continuous TEER measurement. The **CoMPLI** product family comprises equipment and tools for access to the TEER signals (**CoMPLI-Legacy**) for use with existing TEER equipment, autonomous automated acquisition slide-in module for TEER, and iTEER measurements (**CoMPLI-USB**), the preclinical IoT platform for in vitro qualified human tissue.

SSI Trademark: both **SiMPLI** and **CoMPLI** product families have obtained the **Smart Systems Integrated®** trademark.



SMARTER-SI and Contessa: part of the development of the **SiMPLI & CoMPLI** product families took place in the Contessa Application Experiment, part of the **SMARTER-SI** H2020 project (Project ID: 644596), in which significant contributions to the development were made by **CSEM** in collaboration with **dna-plasturgie Sàrl** and **GRAVITY.SWISS SA** (CH, membrane technology, single-use device packaging, Legacy connect), **Ikerlan** (ES, insert connection technology), **Tyndall** (IE, data acquisition) and **VitroScreen** (IT, cultivation of Caco-2 cells on **SiMPLI** inserts and validation of **CoMPLI-USB**).

SiMPLInext SA (Neuchatel, CH, <http://SiMPLInext.com>) is a start-up originating from CSEM, established in 2016. It holds the patent rights for the **SiMPLI** insert technology.

Partners: **SiMPLInext** is currently in discussion with partners for participation in development, production and combined usage of its products. **SiMPLInext** cooperates with **DATSA Belgium**, that operates the joint **IDA-lab** for the **CoMPLI** development.

Geographic area: products are released for the EEA and Switzerland. Interested customers from, in particular, the rest of Europe, Turkey, Israel, Canada and the United States are invited to contact **SiMPLInext** Business Development bizdev@SiMPLInext.com.