

BACTERIAL AUTO-INDUCTION – HETEROLOGOUS PROTEIN PRODUCTION EASY – VERSATILE – AUTONOMOUS

COMPETITIVE ADVANTAGE

- Combines advantages of all main current protein production systems (**no cell monitoring, no inducer** (eg: IPTG, lactose, other..), **no specific media**)
- Allows media **screening** in microplates without specific equipment
- Easy and fast screening of production conditions (eg: media, temperature, plasmids)

VALIDATION

- Tested on more than **40 heterologous** proteins
- Tested with more than **10 media**
- Successfully tested in 96 well plates with volumes **as low as 25µl**

APPLICATIONS/MARKETS

- Research community and protein expression platforms (laboratory suppliers)
- Large scale industrial productions

INTELLECTUAL PROPERTY

- French patent application filed on September 24th 2014
- PCT patent application filed on September 21st 2015 (WO2016046137)

CONTACT

Daniel Kirchherr, PhD
Business Development Manager
Tel. : +33 776 16 66 90
Email : daniel.kirchherr@sattge.fr

PRESENTATION

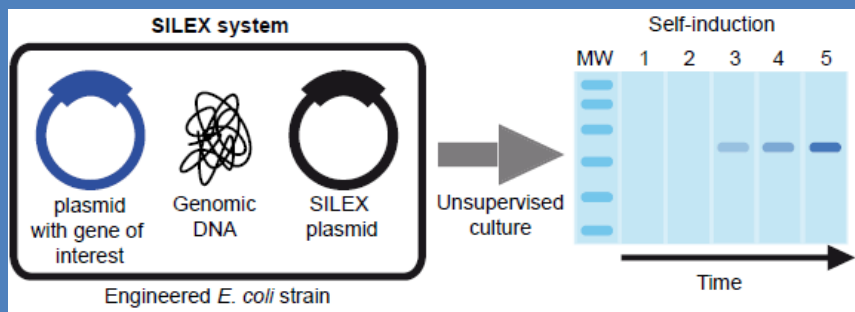
Limitations of current bacterial heterologous protein production systems include: cell monitoring; use of IPTG; use of specific media and related increased time and costs.

Therefore we developed a new system that avoids all the above limitations and adds new capabilities.

SILEX (Self Inducible Expression system) is based on a SILEX plasmid that will tune the cell metabolism to induce expression of your protein.

Can be used from microliter to large scale production and is compatible with a large panel of current plasmids.

Can be used easily by scientists not familiar with protein expression systems



link for publication: <http://www.nature.com/articles/srep33037>

