



Licensing Opportunity

Immortalized Cell Culture
of

Estrogen Receptor positive Human Breast Epithelial Cells



Background

Understanding the taxonomy and evolution of breast cancer rely on using normal cell types as a reference.

Current cell cultures: Steroid receptor expression in cell cultures from normal breast cells is lost within a few days.

There is a need for a viable breast cell culture system expressing endogenous Estrogen-receptors for use in clinical and basic research.



Technology

The assay for investigating normal breast ER^{pos} cells involves:

- Isolating and tracking ER^{pos} human breast cells by FACS using certain cell markers.
- Releasing ER^{pos} cells from growth restraint by using inhibitors of TGF- β signaling.



Business Opportunity

- Immortalized ER^{pos} human breast cells allowing for long term study as well as screening of drug candidates.



Patent Status

- Danish priority patent application (PA 2015 70274) filed on 11 May 2015.

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