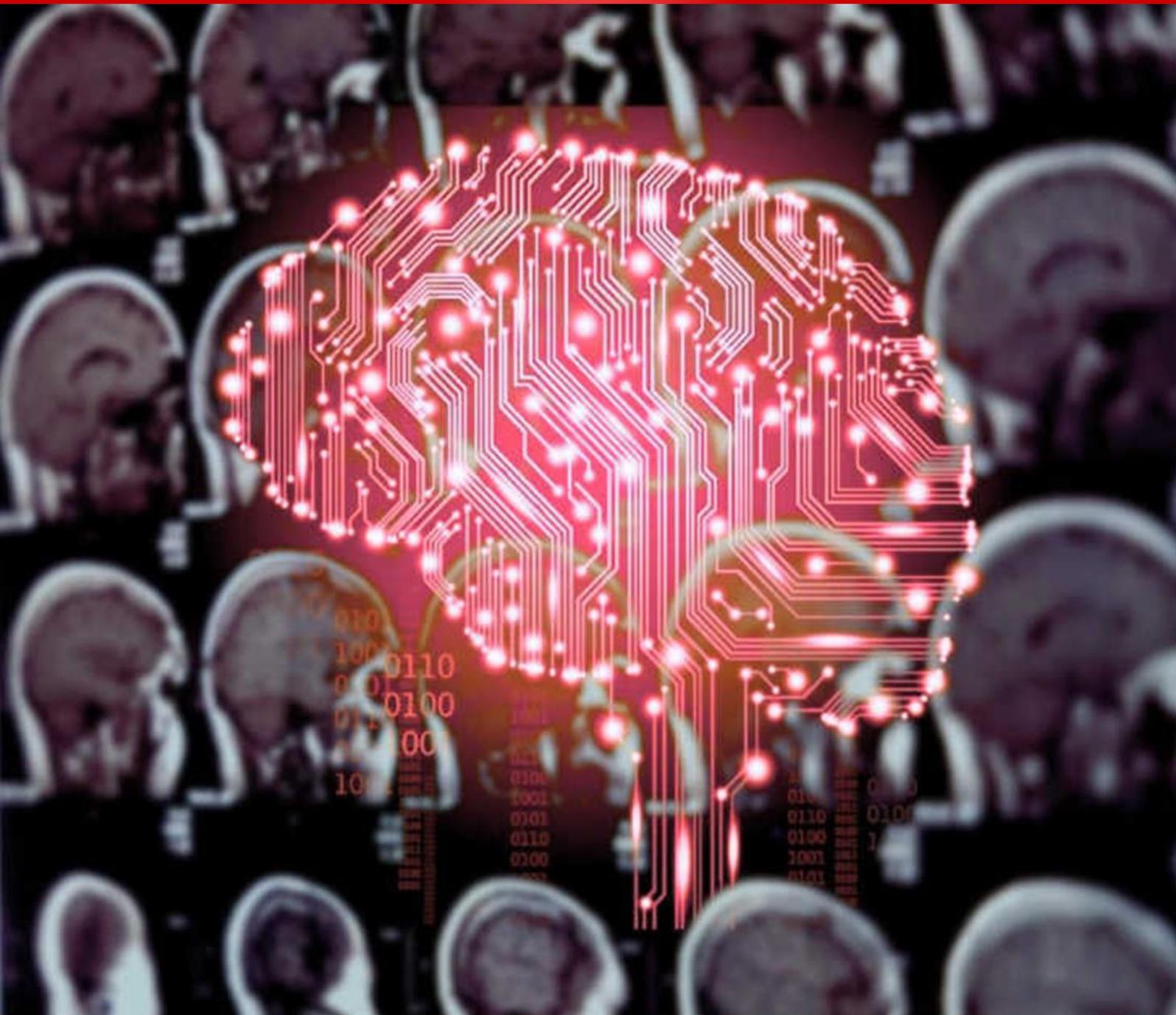


# ReproNeuro Glu™ & Alzheimer's Disease Model Cells Small Pack

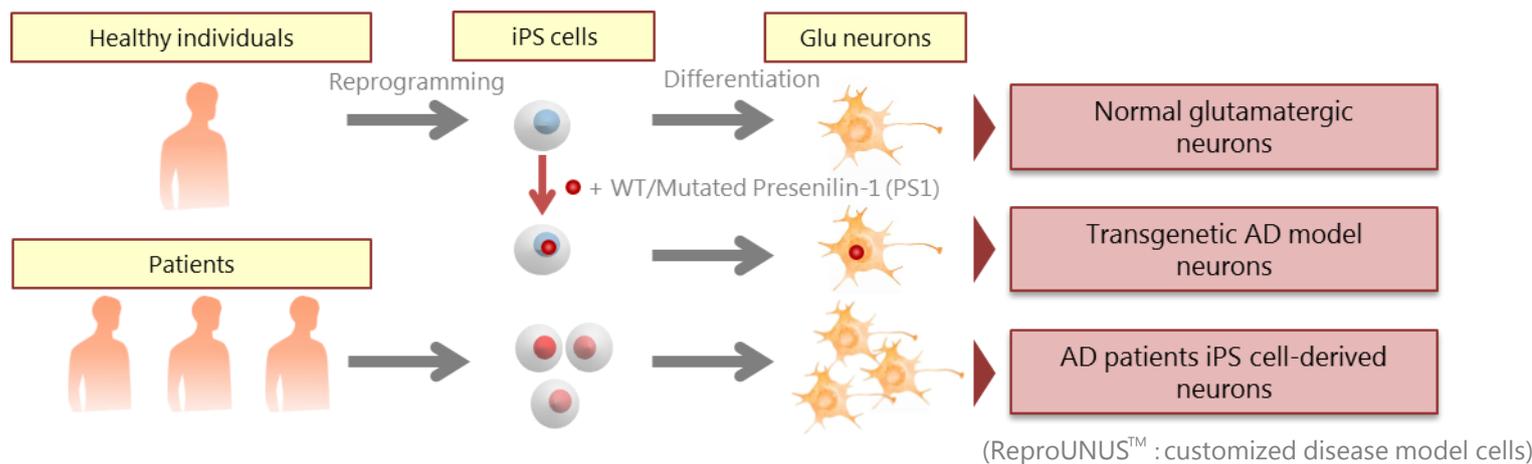
## Human iPS Cell-Derived Neurons for Alzheimer's Disease Research



- The world's first commercial glutamatergic (Glu) neurons and Alzheimer's disease (AD) neurons from human iPS cells
- Mimics the typical AD patient phenotype (Amyloid  $\beta$  accumulation) *in vitro*
- Applicable to high throughput screening using the PerkinElmer's assay system
- The price and number of cells suitable for academic use

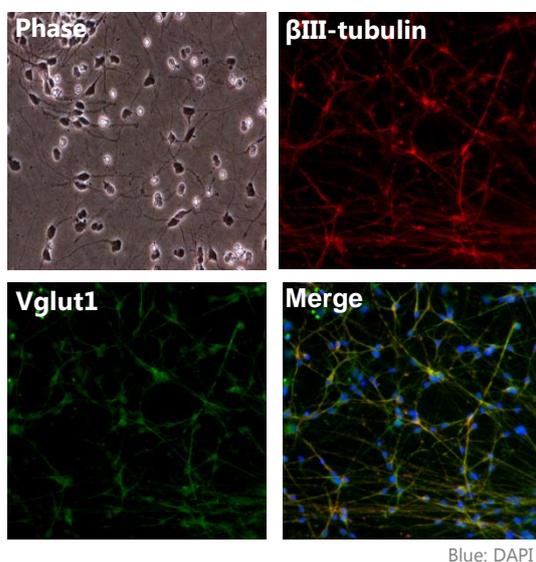
**Developed by ReproCELL using Kyoto University's technology**

Choice of 3 different products depending on the purpose of the research



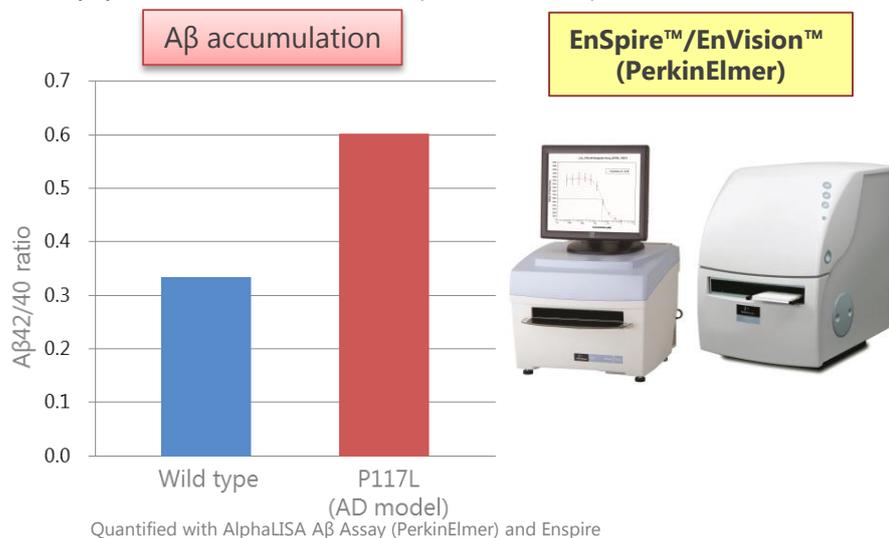
High purity (>80%)  
Glutamatergic neurons

Alzheimer's disease phenotype *in vitro*  
using a common assay system



Blue: DAPI

AD phenotype and drug effects can be quantified *in vitro*, using a common assay system such as PerkinElmer's AlphaLISA and Enspire.



ReproCELL has developed this product based on the research by Prof. Norio Nakatsuji (iCeMS, Kyoto University) using human ES/iPS cells. Their results will be published in near future.

Product No.	製品名	製品概要	Price
RCESDG002	ReproNeuro Glu™ kit	Glutamatergic neurons derived from a human cell line without gene manipulation. 3x10 <sup>5</sup> cells + reagents	ASK
RCESDG104	ReproNeuro Glu-AD™ (PS1 wild type)	Glutamatergic neurons derived from a human iPS cell line with a wild type copy of Presenilin-1. 3x10 <sup>5</sup> cells + reagents	ASK
RCESDG106	ReproNeuro Glu-AD™ (PS1 P117L)	Glutamatergic neurons derived from a human iPS cell line with a mutant (P117L) copy of Presenilin-1 added. 3x10 <sup>5</sup> cells + reagents	ASK
	Refill Reagents for ReproNeuro Glu™	Glu Maturation Medium™, Glu Additive™, Glu Thawing Medium™, Glu Coat™	ASK
	ReproUNUS™	Service to establish customised transgenic/patient-derived model neurons	ASK

Cholinergic neuron (ReproNeuro Ach™ series) and Dopaminergic neuron (ReproNeuro DA™) are also available

Visit ReproCELL's web site for

- Up-to-date information on ReproNeuro Alzheimer's disease model
- Handling and assay procedure: instruction movies are available
- Detailed information about kit contents and refill reagents

**Note** On receiving the kit, immediately transfer the frozen cells to a freezer at -80°C and use the cells as soon as possible. These cells are very sensitive to changes in temperature. For optimal viability, follow the instruction strictly.

**For Research Use Only**



**Headquarters**

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