



## 739-A617 INS-1E cell line

### Description

- Rat insulinoma derived cell line, used as  $\beta$  cell surrogate
- Stable differentiated phenotype
- Glucose-induced insulin secretion is dose-related in a physiological range

### References

Merglen A, Theander S, Rubi B, Chaffard G, Wollheim CB, Maechler P (2004) Glucose sensitivity and metabolism-secretion coupling studied during two-year continuous culture in INS-1E insulinoma cells. *Endocrinology* 145: 667-678

Casimir M, Chaffard G, Maechler P (2019) Resveratrol long-term treatment differentiates INS-1E beta-cell towards improved glucose response and insulin secretion. *Pflugers Arch – Eur. J. Physiol.* 471: 337–345

### Product Specifications

<b>Cell line (name)</b>	INS-1E (RRID: CVCL_0351)
<b>Species</b>	Rattus Norvegicus
<b>Origin</b>	Pancreatic islets, insulinoma
<b>Morphology</b>	$\beta$ cells
<b>Properties</b>	<ul style="list-style-type: none"> <li>• Adherent</li> <li>• Glucose-induced insulin secretion and related pathways are preserved</li> </ul>
<b>Biosafety level</b>	I
<b>Other properties</b>	Used in more than 400 published studies

### Status

- Available for licensing on a non-exclusive basis

### Contact

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