

Materials List for:

# Assessing Replication and Beta Cell Function in Adenovirally-transduced Isolated Rodent Islets

Patrick T. Fueger<sup>1,2</sup>, Angelina M. Hernandez<sup>2</sup>, Yi-Chun Chen<sup>2</sup>, E. Scott Colvin<sup>1,2</sup>

<sup>1</sup>Department of Pediatrics, Indiana University School of Medicine

<sup>2</sup>Department of Cellular & Integrative Physiology, Indiana University School of Medicine

Correspondence to: Patrick T. Fueger at [pfueger@iupui.edu](mailto:pfueger@iupui.edu)

URL: <https://www.jove.com/video/4080>

DOI: [doi:10.3791/4080](https://doi.org/10.3791/4080)

## Materials

Name	Company	Catalog Number	Comments
RPMI 1640 media	Gibco	11879	
Penicillin/streptomycin	Gibco	15140	
6-well plate	BD-Falcon	35-1146	Non-TC treated
[methyl- <sup>3</sup> H]-thymidine	Perkin Elmer	NET027Z001MC	1 mCi/ml
Micro-centrifuge tubes	Denville	C2170	1.7 ml
NaCl	Sigma	59888	
KCl	Acros	42409	
KH <sub>2</sub> PO <sub>4</sub>	Acros	20592	
MgSO <sub>4</sub>	Acros	41348	
CaCl <sub>2</sub>	Acros	34961	
HEPES	Sigma	H0887	1 M solution
35% BSA	Sigma	A7979	
NaHCO <sub>3</sub>	Acros	42427	
d-glucose	Sigma	G8769	
TCA	Fisher Scientific	SA9410-1	10% w/v
NaOH	Acros	12426	
Scintillation counting tube	Sarstedt	58.536	7 ml, PP
Scintillation counting tube cap	Sarstedt	65.816	
Econo-Safe counting cocktail	RPI	111175	
Insulin RIA	Siemens	TKIN2	
BCA Assay Kit	Thermo Scientific	23250	
<b>Equipment</b>			
Centrifuge	Eppendorf	5415R	
Scintillation counting tube rack	Sarstedt	93.1431.001	
Liquid scintillation counter	Perkin Elmer	Tri-Carb 2910TR	