

Materials List for:

Automated Acoustic Dispensing for the Serial Dilution of Peptide Agonists in Potency Determination Assays

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Materials

Name	Company	Catalog Number	Comments
Hanks' Balanced Salt solution	Sigma-Aldrich	H8264	
HEPES	Sigma-Aldrich	H3375	
Bovine Serum Albumin	Sigma-Aldrich	A9418	
3-Isobutyl-1-methylxanthine	Sigma-Aldrich	I7018	Prepared as a 0.5 M stock in DMSO
GLP-1 (7-36) amide	Bachem	H-6795	Prepared as a 1 mg/ml stock in PBS, referred to as '100x reference control'
Test peptides	Produced in-house at MedImmune		Supplied at various concentrations in DMSO or PBS as appropriate
100x peptide stock	Produced in-house at MedImmune		Test peptide diluted into assay buffer to 100x final required concentration
Trypan Blue Solution, 0.4%	Thermo Fisher Scientific	15250-061	
Cedex XS Cell Analyzer	Innovatis		
Corning 384 well plates, low volume	Sigma-Aldrich	4514	
Echo Qualified 384-Well Polypropylene Microplate	Labcyte Inc.	P-05525	
Echo Qualified Reservoir	Labcyte Inc.	ER-0055	
Echo 550 Liquid Handler	Labcyte Inc.		Droplet transfer volumes in increments of 2.5 nl
Echo 525 Liquid Handler	Labcyte Inc.		Droplet transfer volumes in increments of 25 nl
ACell Benchtop Automation	HighRes Biosolutions	MC522	
Cellario Lab Automation Scheduling software for Life Science Robotics	HighRes Biosolutions		
MultidropCombi Reagent Dispenser	ThermoFisher Scientific	5840300	Referred to as 'bulk reagent dispenser'
HTRF cAMP Dynamic 2 kit	Cisbio Bioassays	62AM4PEJ	
EnVision Multilabel Reader	PerkinElmer		