

Document No. 3104, A03, A03	Revision Number 00	Effective Date 07 July 2008	Supersedes Date N/A	Page 1 of 3
Document Title:				
PURIFIED HUMAN PANCREATIC ISLETS, GLUCOSE STIMULATED INSULIN RELEASE DETERMINATION BY ELISA, ATTACHMENT III, SOLUTIONS PREPARATIONS				

1. Krebs Buffer Stock Solution

Follow instructions in SOP 3104, A03

Material	Source	Lot #	Expiration Date	Quantity Required	Quantity Used
HEPES powder				11.92 g	g
NaCl				13.44 g	g
NaHCO ₃				4.04 g	g
KCl				0.7456 g	g
MgCl ₂ · 6 H ₂ O				0.4066 g	g
BSA				2.0 g	g
Deionized Water				q.s. to 2 L	L

Prepared by: _____ Date: _____

2. Stock 280 mM Glucose Solution

Follow instructions in SOP 3104, A03

Material	Source	Lot #	Expiration Date	Quantity Required	Quantity Used
D-(+)-Glucose				2.5 g	g
Krebs Buffer Stock Solution				50 mL	mL

Prepared by: _____ Date: _____

3. High Glucose (28 mM) Solution

Follow instructions in SOP 3104, A03

Material	Source	Lot #	Expiration Date	Quantity Required	Quantity Used
Stock 280 mM Glucose Solution				5 mL	mL
Krebs Buffer Stock Solution				45 mL	mL

Prepared by: _____ Date: _____

Pre-culture Islets Lot #: _____

Islets Product Lot #: _____

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4. Low Glucose (2.8 mM) Solution

Follow instructions in SOP 3104, A03

Material	Source	Lot #	Expiration Date	Quantity Required	Quantity Used
High Glucose (28 mM) Solution				5 mL	mL
Krebs Buffer Stock Solution				45 mL	mL

Prepared by: _____ Date: _____

5. High Insulin Control Preparation

Follow instructions in SOP 3104, A03

Material	Source	Lot #	Expiration Date	Quantity Required	Quantity Used
High Insulin Control				1 vial	vial
Deionized Water				500 μ L	μ L

Prepared by: _____ Date: _____

6. Low Insulin Control Preparation

Follow instructions in SOP 3104, A03

Material	Source	Lot #	Expiration Date	Quantity Required	Quantity Used
Low Insulin Control				1 vial	vial
Deionized Water				500 μ L	μ L

Prepared by: _____ Date: _____

7. Wash Solution

Follow instructions in SOP 3104, A03

Material	Source	Lot #	Expiration Date	Quantity Required	Quantity Used
Concentrate Wash Solution				40 mL	mL
Deionized Water				800 mL	mL

Prepared by: _____ Date: _____

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Islets Product Lot #: _____

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8. Anti-insulin Conjugate Solution

Follow instructions in SOP 3104, A03

Material	Source	Lot #	Expiration Date	Quantity Required	Quantity Used
Conjugate Stock Solution				100 µL	µL
Conjugate Buffer				1 mL	mL

Prepared by: _____ **Date:** _____

Reviewed by: _____ **Date:** _____

Pre-culture Islets Lot #: _____

Islets Product Lot #: _____