

# Islet Isolation

HPAP005

Date of Procurement/Cross Clamp Time	January 27, 2017 / 04:29 (EST)
Date/Time Tissues Biopsy & Islet Isolation	January 27, 2017 / 10:20 (EST)
Date/Time Intra Ductal Enzyme Infusion	Jan. 27, 2017 / 12:52 (EST)
<sup>1</sup> Cold Ischemia Time (CIT)	8 hrs 23 mins
<sup>2</sup> DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Edematous
Pancreas Weight (trimmed)	63.01 g
Total Islet Yield	172,394 IEQ
<sup>3</sup> IEQ/g of Pancreas	2735.99 IEQ/g
Islet Purity (%) & Yield	<sup>4</sup> High purity (85%): 122,124 IEQ , Low purity (40%): 50,270 IEQ
Islet Viability	85%
GSIR (SI)	1.56
DNA Content (ng/IEQ)	202
Endotoxin (EU/ml)	1
Sterility Test	Negative (No Growth Of Bacteria Or Fungus After 14 Days)

<sup>1</sup>CIT = duration from Cross clamp time till Intra ductal enzyme infusion

<sup>2</sup>DCD = Donation after Cardiac Death (circulatory arrest)

<sup>3</sup>IEQ/g = Islet equivalent per gram of pancreas = Total isolated islets / Weight of pancreas

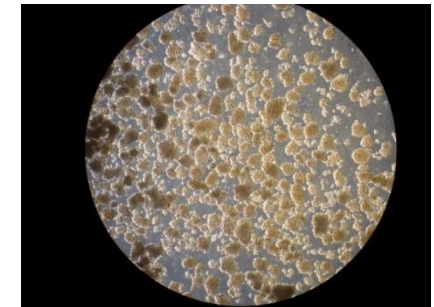
<sup>4</sup>High = >70%, Middle = 50%– 69%, Low = 30% - 49%



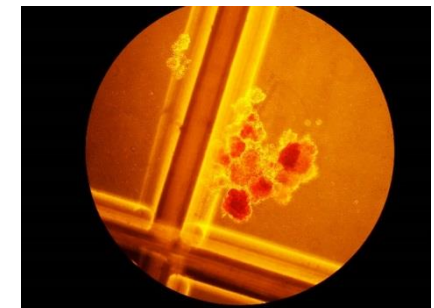
**Pancreas (Pre trimming)**



**Pancreas (Post trimming)**



**Islet in culture media (Day 1)**



**DTZ staining (Day 1)**