

Islet Isolation

HPAP-002	
Date of Procurement/Cross Clamp Time	January 11 / 2017 23:11 (PST) January 12 / 2017 02:11 (EST)
Date/Time Tissues Biopsy & Islet Isolation	January 12, 2017 / 22:15 (EST)
Date/Time Intra Ductal Enzyme Infusion	January 12, 2017 / 23:45 (EST)
¹ Cold Ischemia Time (CIT)	21 hrs 34 min
² DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Smaller and very softer
Pancreas Weight (trimmed)	53.95 g
Total Islet Yield	79,534 IEQs
³ IEQ/g of Pancreas	1,424 IEQ/g
Islet Purity (%) & Yield	⁴ Purity 35%: 59268 IEQ, Purity 3%: 20266 IEQ*
Islet Viability	88.7%
GSIR (SI)	0.88
DNA Content (app: ng/IEQ)	120
Endotoxin (EU/ml)	1.21
Sterility Test	Negative (No Growth Of Bacteria Or Fungus After 14 Days)

Highly impure preparation due to T1D status

¹CIT = duration from Cross clamp time till Intra ductal enzyme infusion

²DCD = Donation after Cardiac Death (circulatory arrest)

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

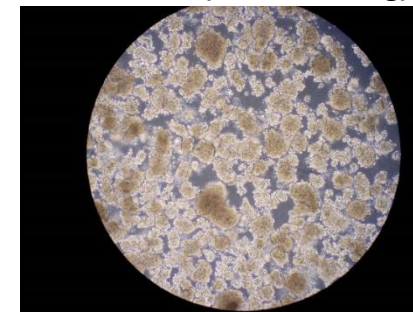
⁴High = >70%, Middle = 50%– 69%, Low = 30% - 49%



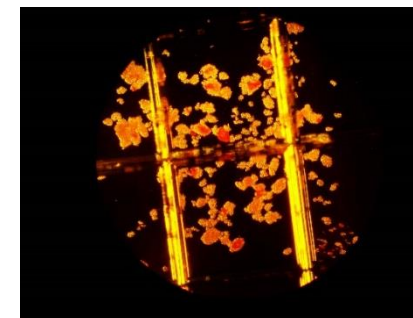
Pancreas (Pre trimming)



Pancreas (Post trimming)



Islet in culture media



DTZ staining