

# Islet Isolation

## HPAP060

Date of Procurement/Cross Clamp Time	6/20/2020, 17:08 (EST)
Date/Time Tissues Biopsy & Islet Isolation	6/21/2020, 08:45 (EST)
Date/Time Intra Ductal Enzyme Infusion	6/21/2020, 09:55 (EST)
<sup>1</sup> Cold Ischemia Time (CIT)	16 hrs 47 mins
<sup>2</sup> DCD Donor Warm Ischemia Time	NA
Pancreas Condition	Fat average, Duodenal leak
Pancreas Weight (trimmed)	74.1 g
Total Islet Yield	75,906 IEQ
<sup>3</sup> IEQ/g of Pancreas	1,024 IEQ/g
Islet Purity (%) & Yield (IEQ)	<sup>4</sup> Purity (50%) 26,608 (25%) 49,298
Islet Viability (%)	90
GSIR (SI)	1.07
DNA Content (ng/IEQ)	3.58
Endotoxin (EU/ml)	0.072
Sterility Test	Negative (No Growth Of Bacteria Or Fungus After 14 Days)



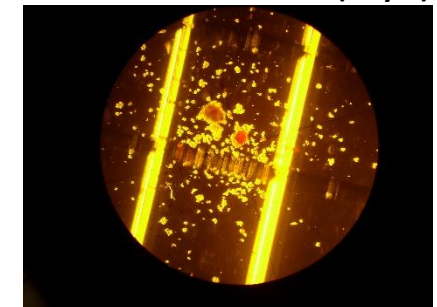
**Pancreas (Pre trimming)**



**Pancreas (Post trimming)**



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



**DTZ staining (Day 1)**

<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%