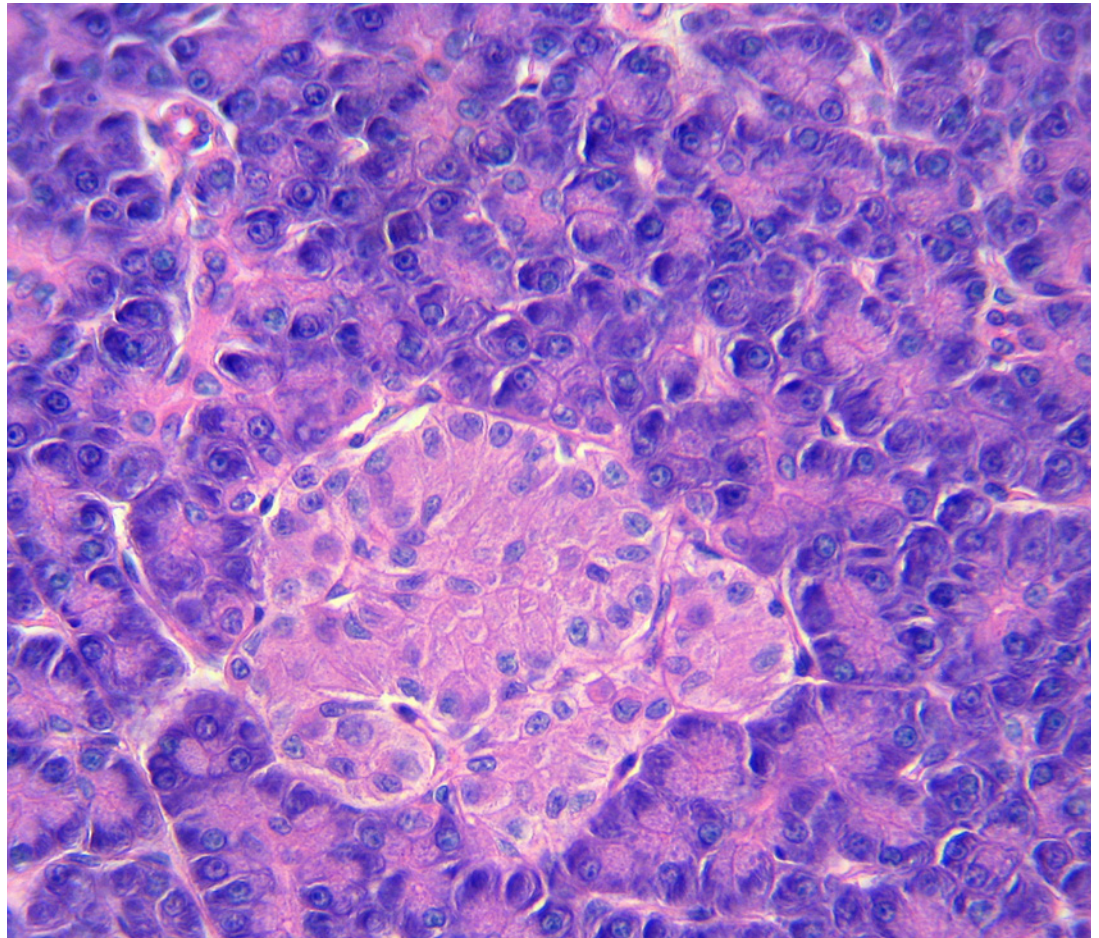


Introduction

Islet cell isolation and processing for diabetes research requires a variety of specialized cell culture media, separation and gradient solutions, porcine-specific solutions, and related isolation, trimming, and storage/preservation solutions. Most islet solutions have been customized to include or leave out components such as insulin, transferrin, HSA, ciprofloxacin, and HEPES.

Corning's portfolio of specialized media has been cited in multiple islet cell isolation protocols for type 1 diabetes research.



Corning's islet solutions were designed and tailored specifically for diabetes research applications.

Ordering Information

Islet Solutions and Reagents

Cat. No.	Description	Size	Qty/Pk
98-021-CV	Miami medium #1A with HSA and sodium bicarbonate	500 mL	1
98-291-CV	CMRL 1066 with HEPES, without sodium bicarbonate and phenol red	500 mL	1
98-304-CV	CMRL 1066, supplemented, CIT modification	500 mL	1
99-603-CV	CMRL 1066, supplemented	500 mL	1
99-663-CV	CMRL 1066 without phenol red, L-glutamine	500 mL	1
99-595-CM	RPMI 1640 with L-glutamine	1 L	1
99-597-CM	HBSS (Hank's Balanced Salt Solution), modified for islets	1 L	1
99-674-CM	Gradient stock solution, density 1.110 to 1.121 g/cm ³	1 L	1
99-676-CM	Trimming solution	1 L	1
99-677-CM	Cold storage/purification stock solution, density 1.026 to 1.032 g/cm ³	1 L	1
99-678-CM	Phase I solution	1 L	1
99-723-CM	Penta starch, 10% solution	1 L	1
99-781-CV	Perfusion solution with HEPES, without phenol red	500 mL	1
99-782-CM	Priming solution with HEPES, without phenol red, and sodium bicarbonate	1 L	1
99-783-CM	Dilution solution, RPMI 1640 with HEPES, L-glutamine, without HSA and phenol red	1 L	1
99-784-CM	Wash solution, Medium 199 with 25 mM HEPES, without phenol red, L-glutamine, and sodium bicarbonate	1 L	1
99-785-CV	Final wash/culture medium, CMRL 1066 without phenol red, with HSA, HEPES, and L-glutamine	500 mL	1
99-786-CV	Functionality/viability solution, CMRL 1066 without glucose	500 mL	1

Cell Separation and Gradient Solutions

99-662-CVS	Stock Polysucrose solution (Euro-Collins), density 1.132 g/cm ³	350 mL	1
99-690-CIS	Islet gradient, density 1.037 g/cm ³	75 mL	1
99-691-CIS	Islet gradient, density 1.096 g/cm ³	75 mL	1
99-692-CIS	Islet gradient, density 1.108 g/cm ³	75 mL	1
99-815-CIS	Islet gradient, density 1.069 g/cm ³	75 mL	1
25-072-CI	LSM (Lymphocyte Separation Medium), density 1.077 g/cm ³	100 mL	1
25-072-CV	LSM (Lymphocyte Separation Medium), density 1.077 g/cm ³	500 mL	1
61-196-RM	Polysucrose 400	100 g	1
61-196-RO	Polysucrose 400	500 g	1

Porcine Solutions

98-343-CV	Neonatal porcine islet culture medium	500 mL	1
99-601-CM	Medium 199, porcine modification, with 25 mM HEPES, without phenol red, L-glutamine, and sodium bicarbonate	1 L	1

Preservation Solutions

99-408-CM	Glucose solution (Euro-Collins)	1 L	1
99-409-CI	Electrolyte additive solution (Euro-Collins)	100 mL	1

Related Solutions and Reagents

10-043-CV	RPMI 1640 with L-glutamine, without glucose	500 mL	6
15-110-CV	CMRL 1066 without L-glutamine	500 mL	6

Warranty/Disclaimer: Unless otherwise specified, all products are for research use only. Not intended for use in diagnostic or therapeutic procedures. Corning Life Sciences makes no claims regarding the performance of these products for clinical or diagnostic applications.

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