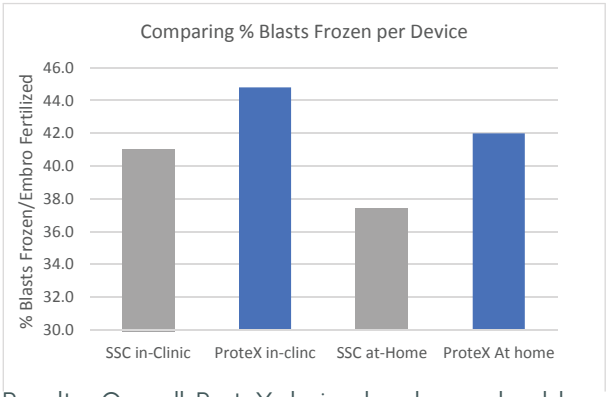
ProteX PROVEN TO PROTECT

S.D. Prien, Z. Williams, E. Forman (2002), *Preliminary Clinical Outcomes in an IVF Program using the ProteX ™ versus a Standard Specimen Cup for Semen Collection*, American Association of Bioanalysts poster session.

PROTECTIVE EFFECTS OF PROTEX ON SEMEN AND RESULTING EMBRYOS

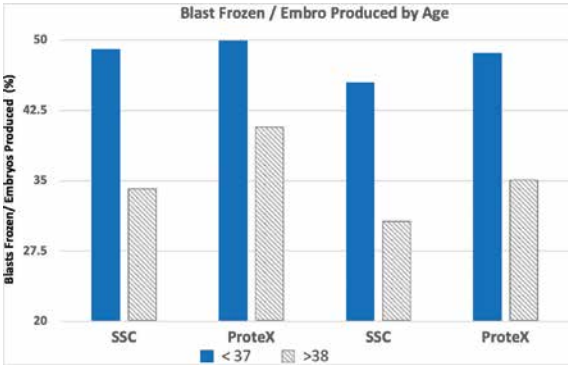


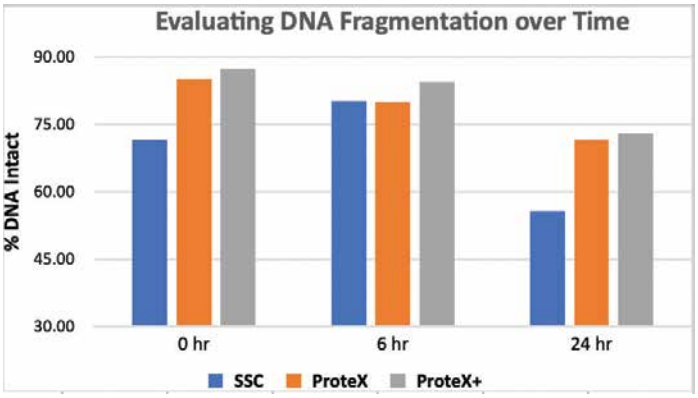
Total Data Set ProteX vs SSC n=1045			Clinic		At-Home	
	SSC	ProteX	SSC in-Clinic	ProteX in-clinc	SSC at-Home	ProteX At home
Total Collection Device	596	449				
COLLECTION BY LOCATION			334	287	262	162
Age of Female	37.6	37.5	37.6	38.0	37.6	36.7
ICSI Inseminations	5400	4249	2924	2681	2476	1568
Embryos Fertilized	4572	3590	2481	2263	2091	1327
Blasts cryopreserved	2009	1692	1105	1110	904	582
% Blasts preserved/embryos fertilized	39.4	43.8	41.0	44.8	37.4	42.0
		11%		9%		12%
Difference in # embryos frozen and female age P< .001						
Difference between # embryos frozen and sperm collection site P < .001						
Difference between # embryos frozen and device P < 0.04						

Results: Overall; ProteX derived embryos should result at least 1-2 more transfers attempts/retrieval. ProteX maintains rates in patients collecting semen at home to comparable levels seen to those in clinic (P < 0.04).

Total Data ProteX vs SSC n=1045	TOTAL		Clinic				At-Home			
	SSC	ProteX	SSC		ProteX		SSC		ProteX	
Total Number Collected in each Device	596	449	334		287		262		162	
BY Age			154	180	126	161	116	146	82	80
Age of Female	37.6	37.5	<38	38+	<38	38+	<38	38+	<38	38+
ICSI Inseminations	5400	4249	1688	1236	1286	1395	1449	1027	982	586
Embryos Fertilized	4572	3590	1459	1022	1121	1142	1216	875	844	483
Blasts cryopreserved	2009	1692	710	395	565	545	592	312	411	171
% Blasts preserved/embryos fertilized	39.4	43.8	**49.0**	**34.2**	**50.0**	**40.8**	**45.5**	**30.7**	**48.6**	**35.1**
		11.2%			2%	19%			7%	14%

Results: The above results are even more apparent when broken down by female partner age, possible due to sperm with less fragmented DNA





Time	SSC	ProteX	ProteX+
0 hr	71.64	85.26	87.56
6 hr	80.25	80.07	84.56
24 hr	55.70	71.63	73.04

Results: Above concept supported by recent observations where cells collected in various versions of the ProteX maintained more intact DNA over time P < 0.003)

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