

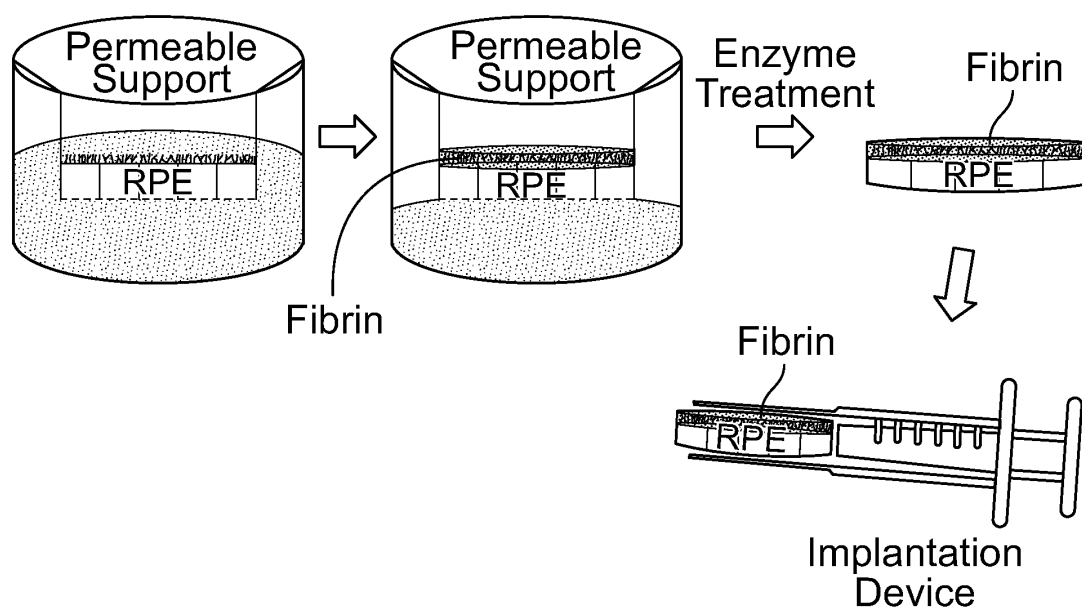


FIG. 1A

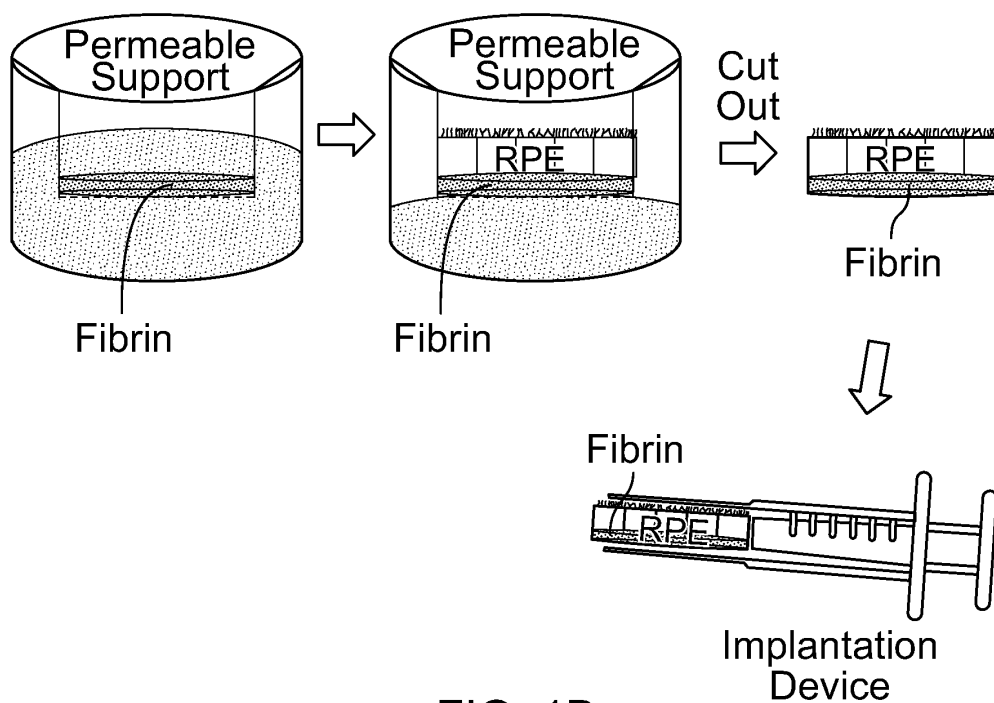


FIG. 1B

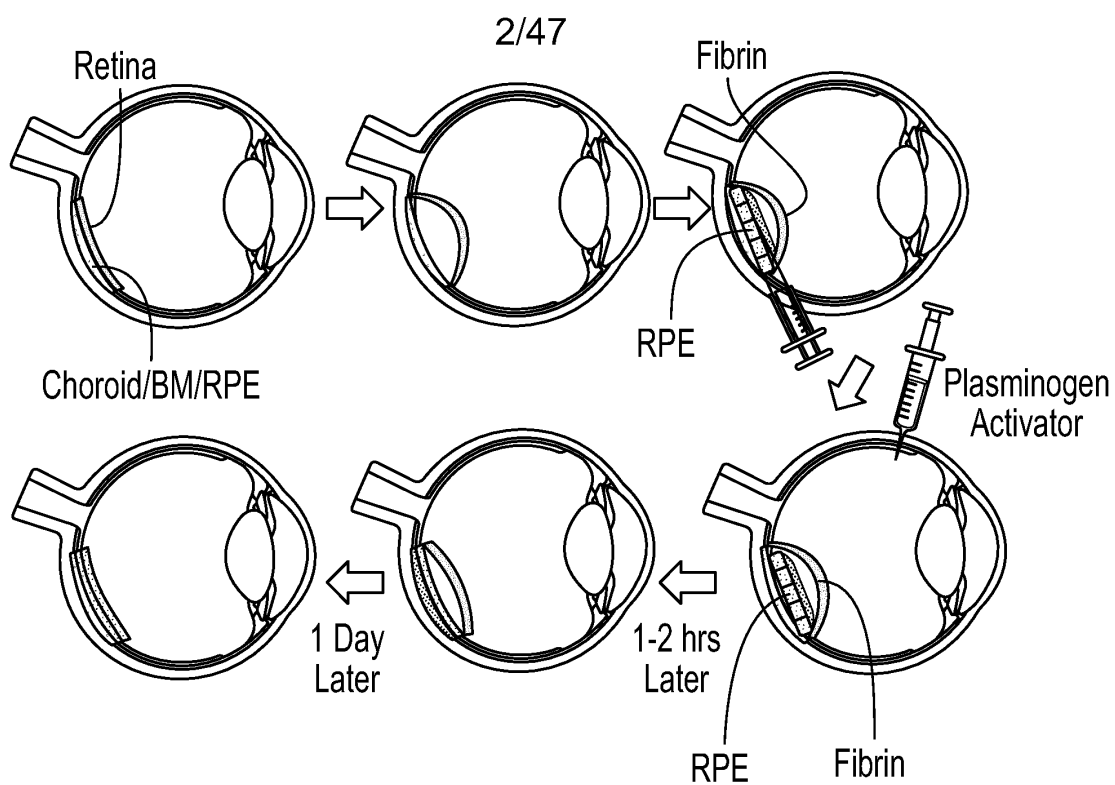


FIG. 2A

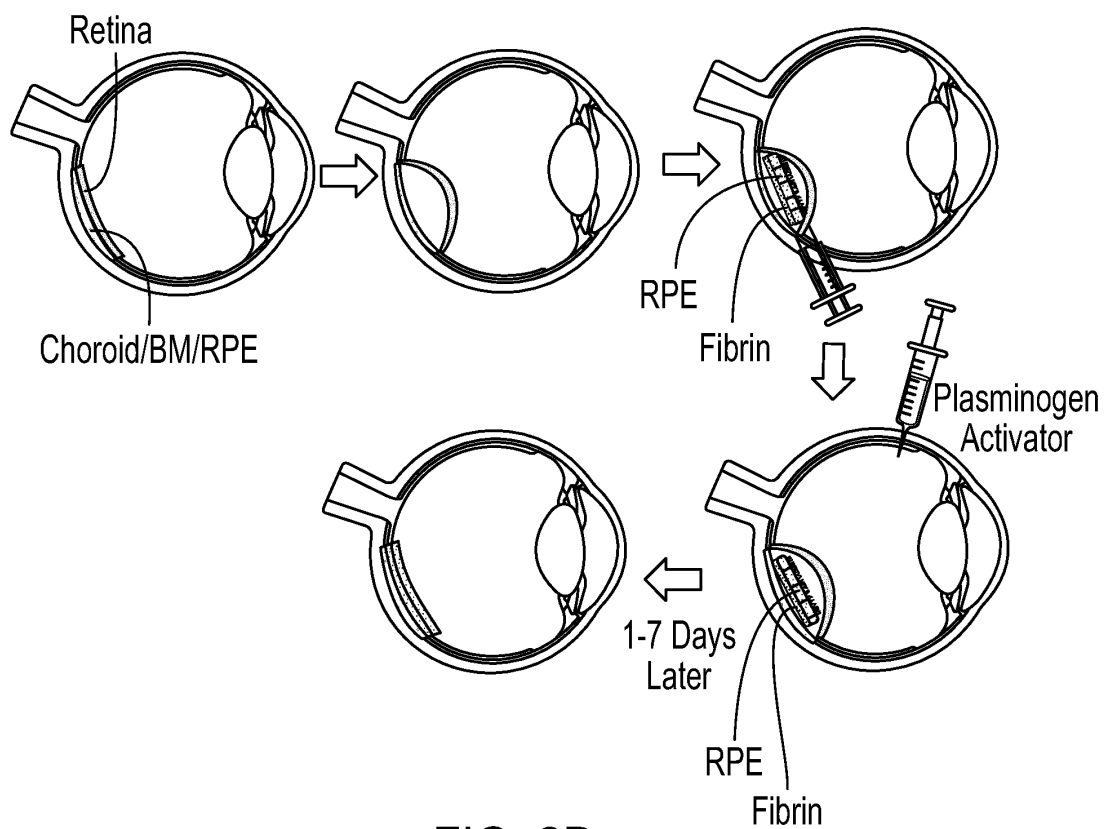


FIG. 2B

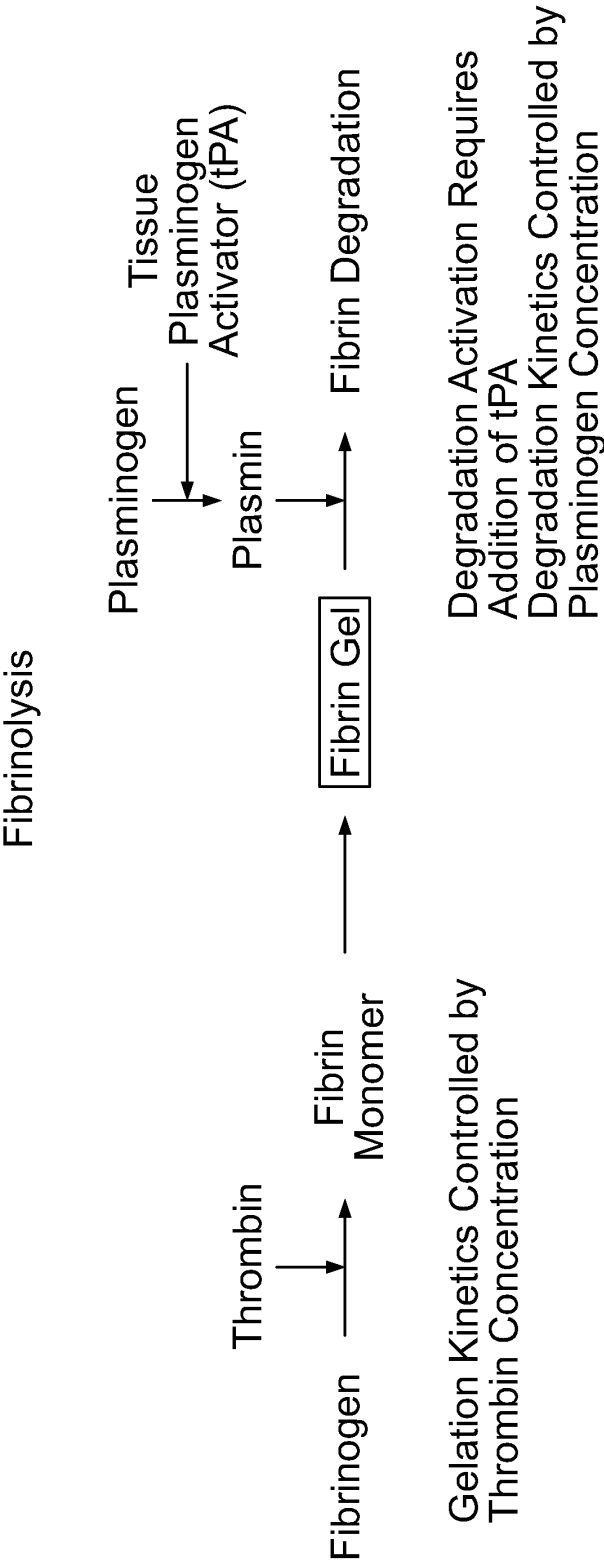


FIG. 3

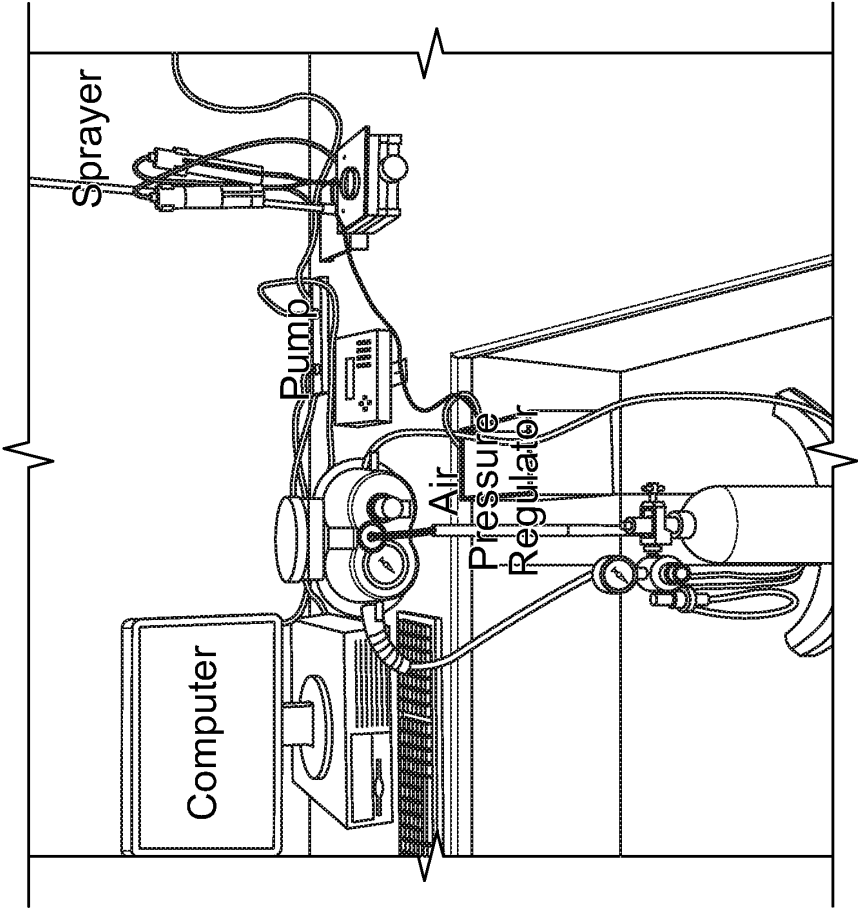


FIG. 4A

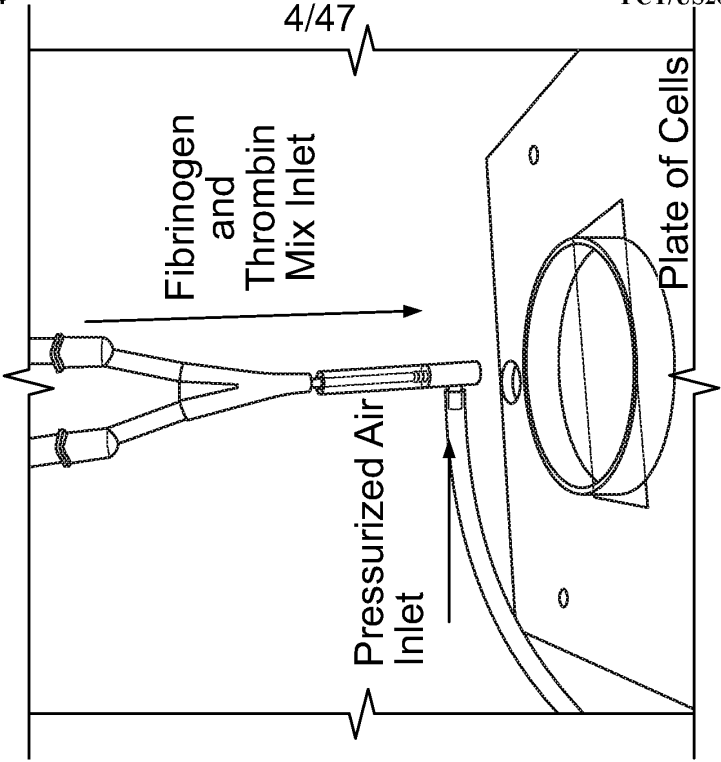


FIG. 4B

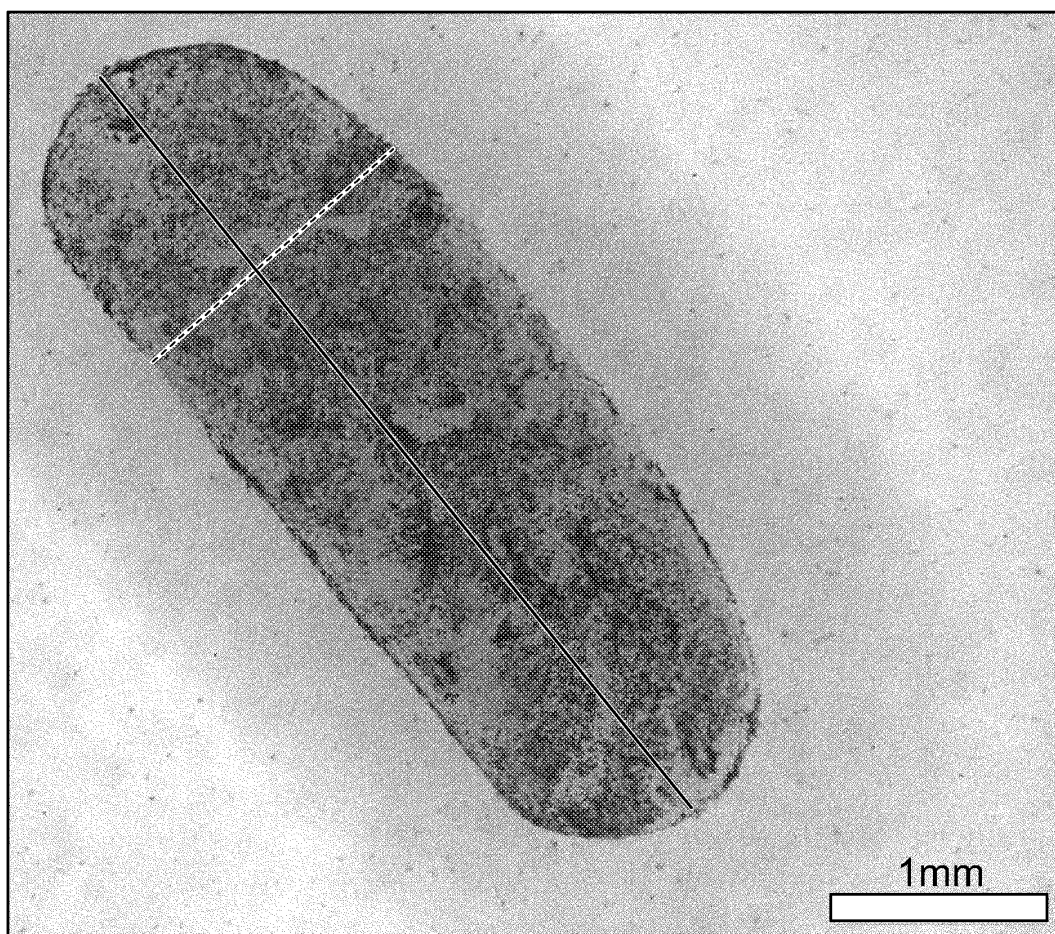


FIG. 5

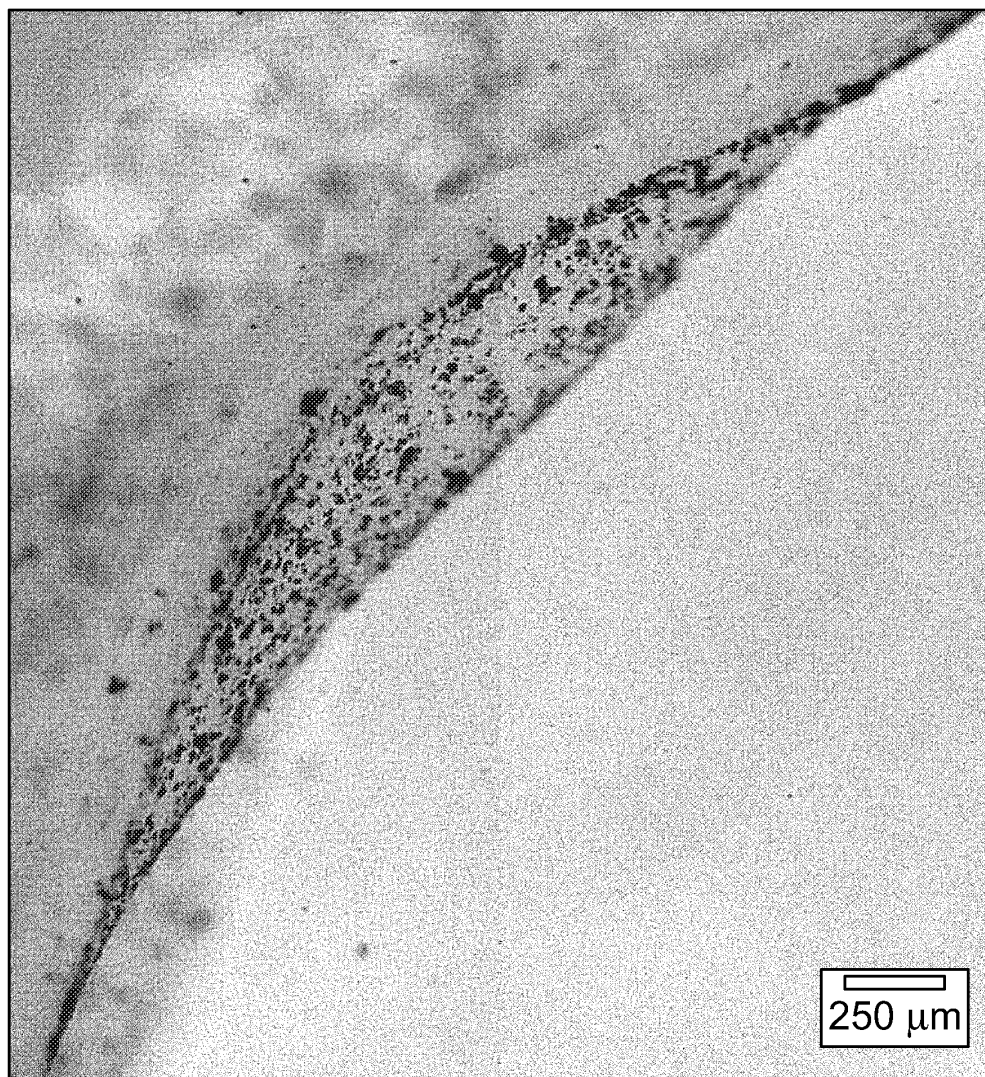


FIG. 6

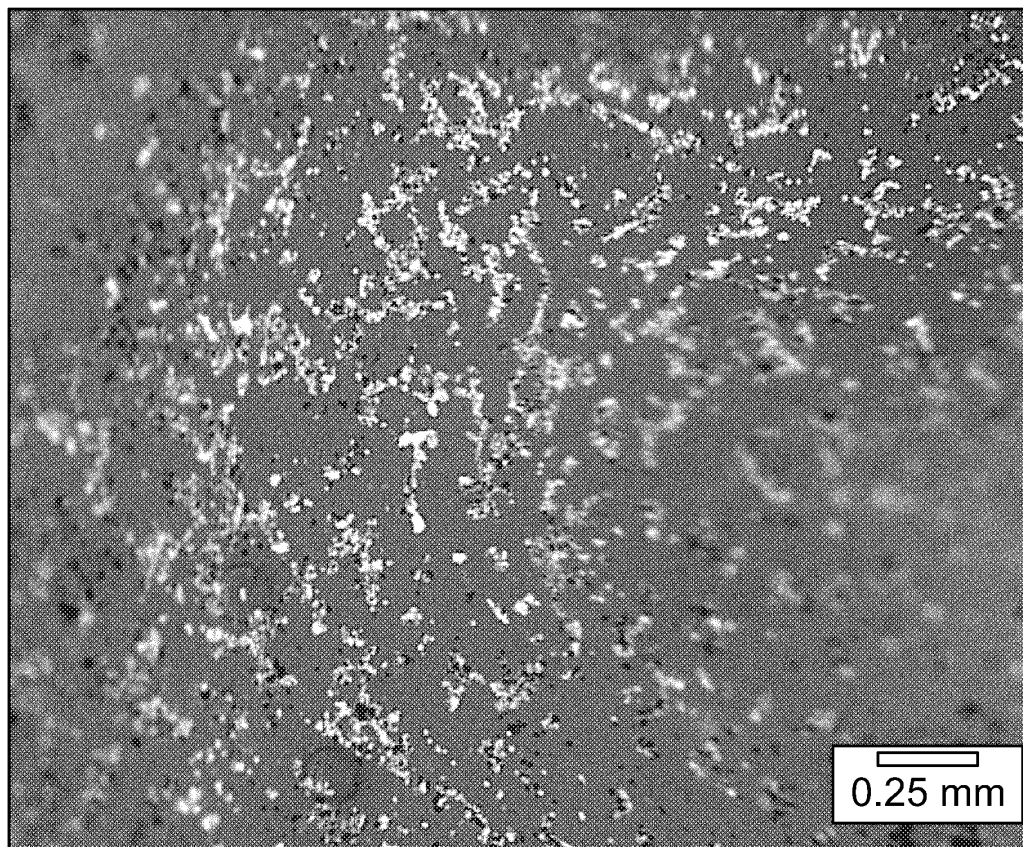


FIG. 7

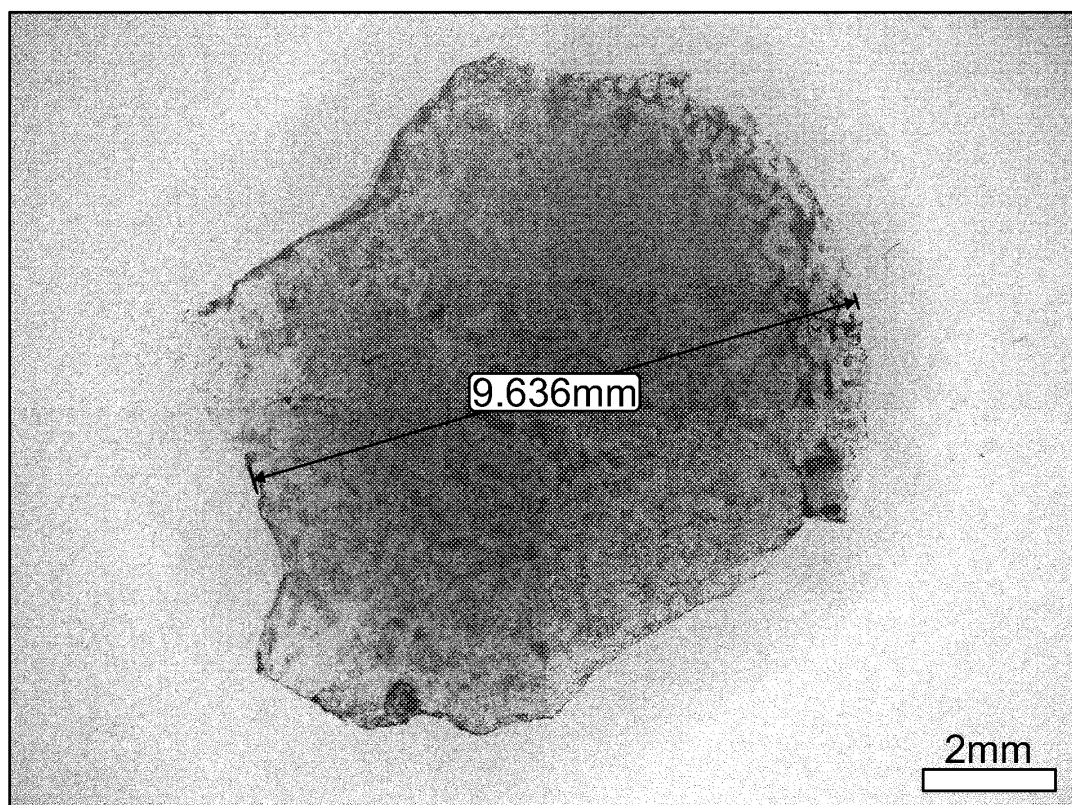


FIG. 8

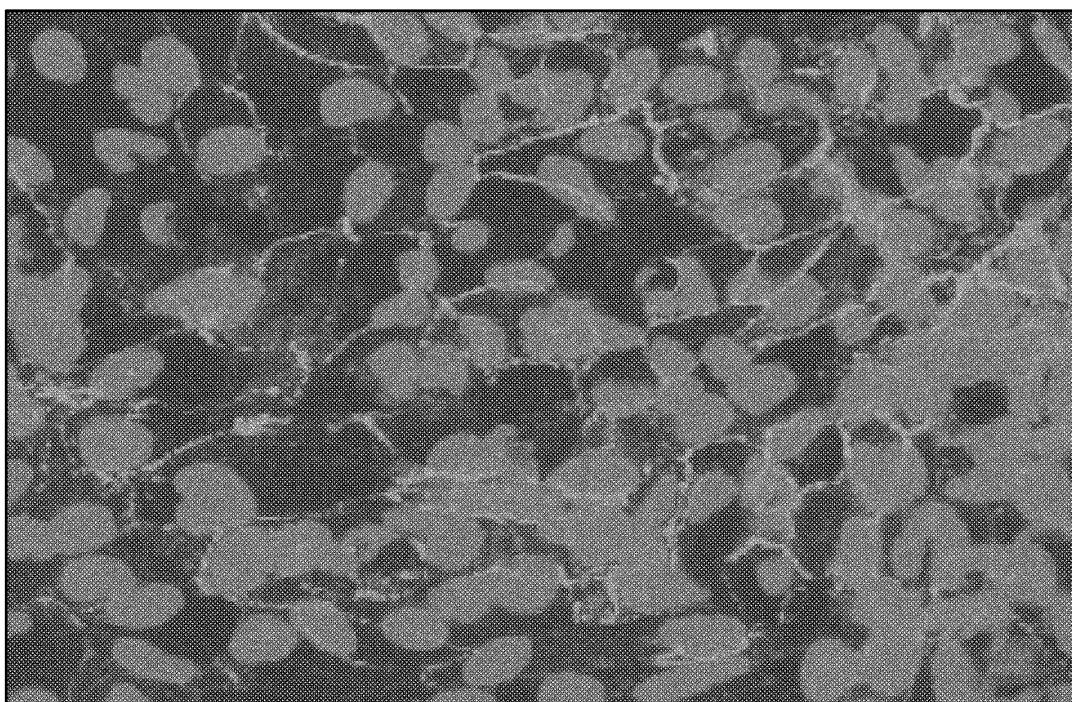


FIG. 9

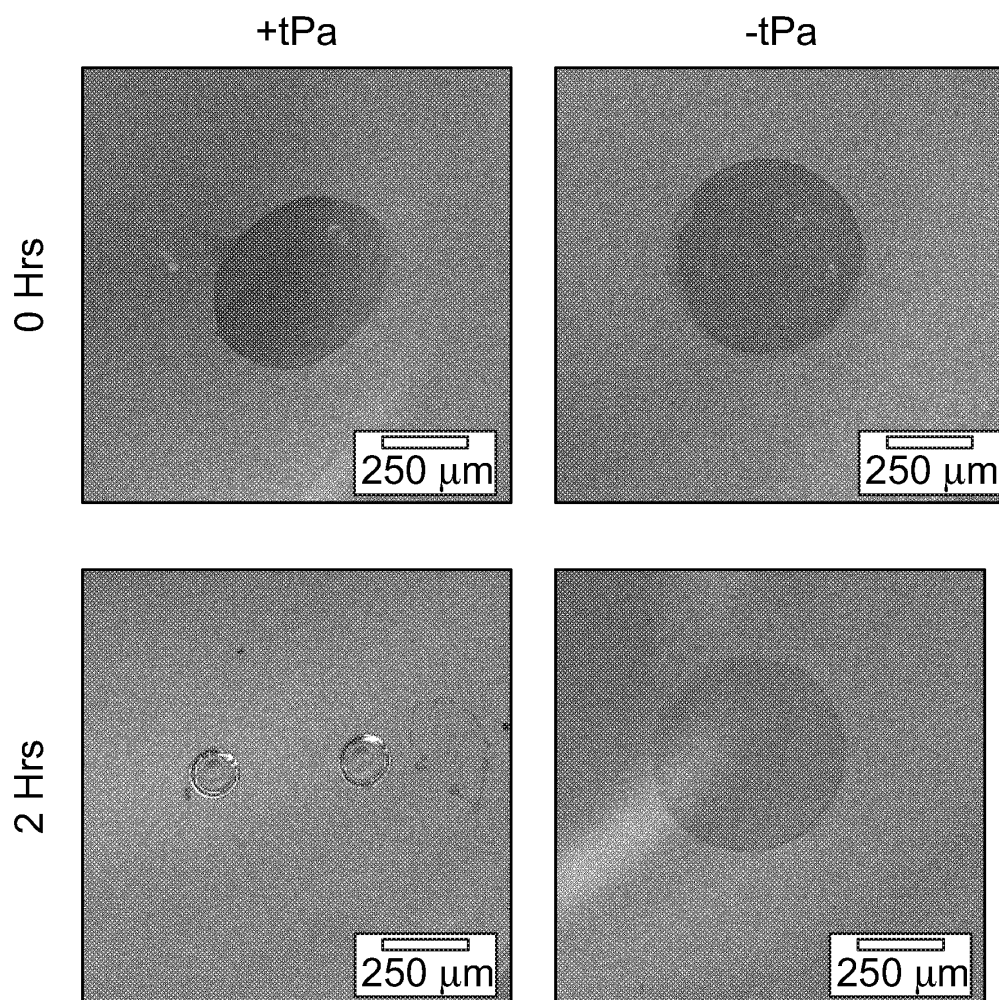


FIG. 10

11/47

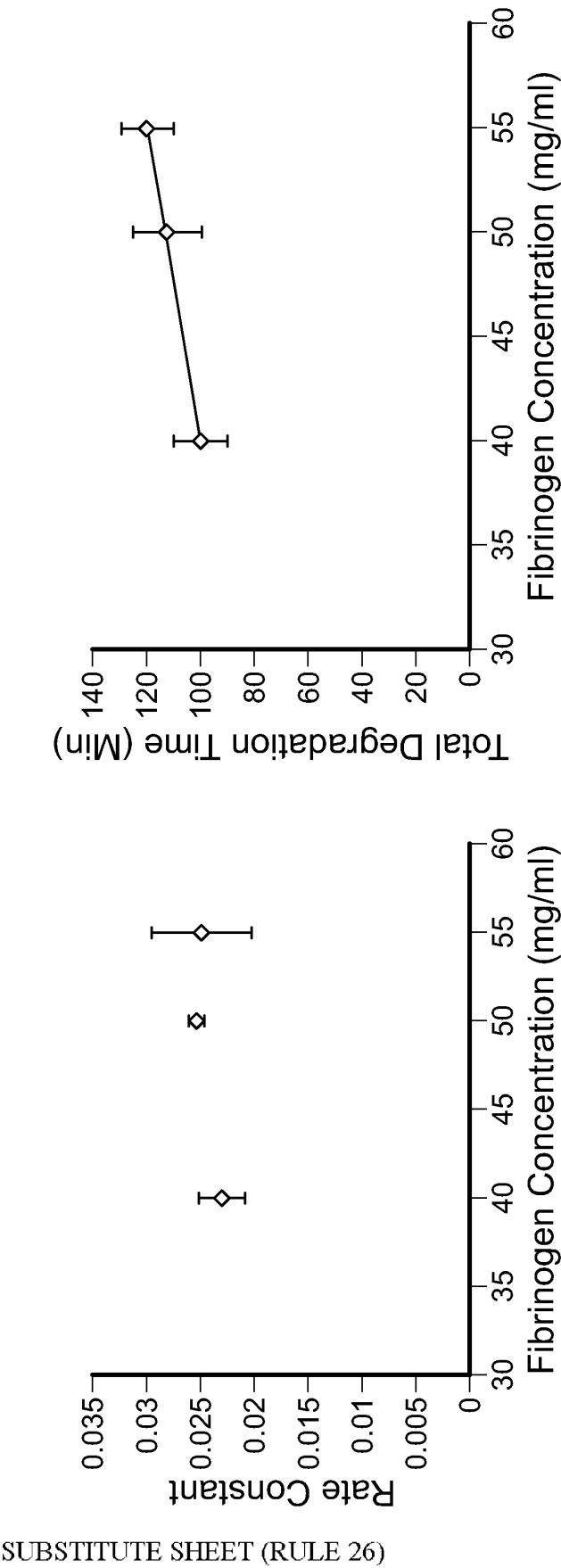


FIG. 11

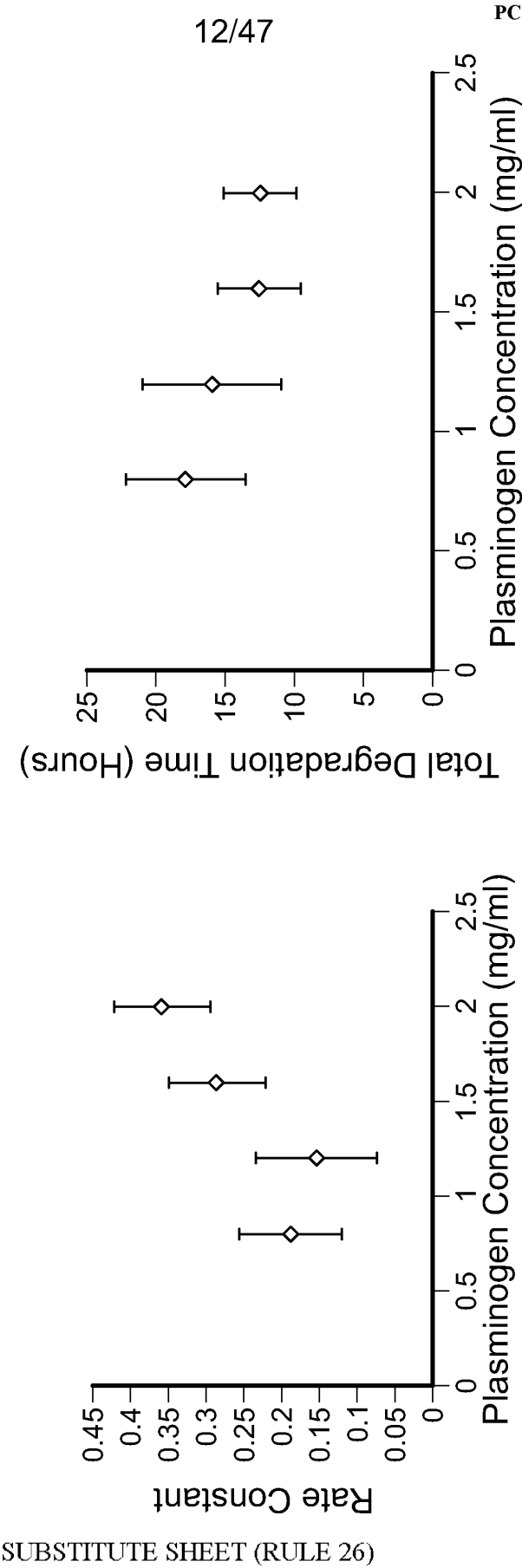


FIG. 12

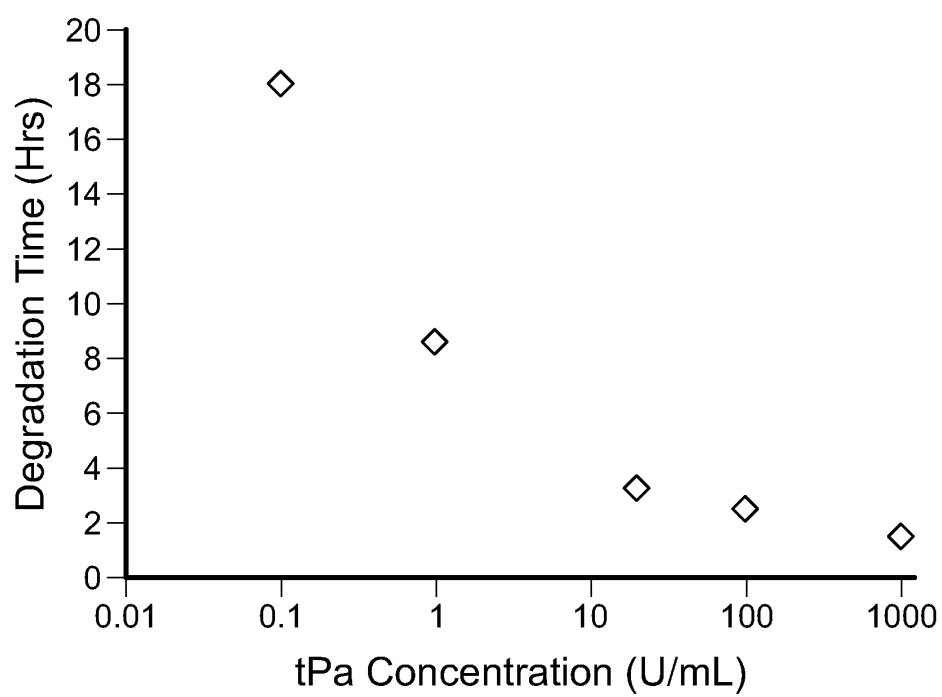


FIG. 13

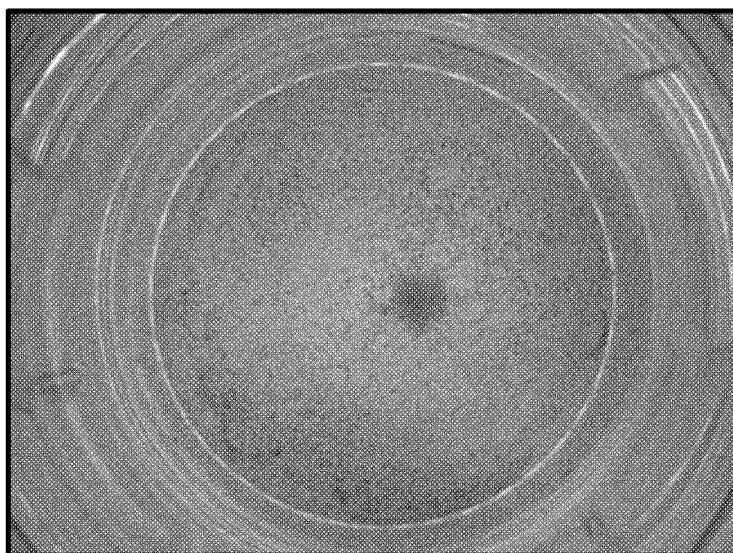


FIG. 14A



FIG. 14B



FIG. 14C



FIG. 15A

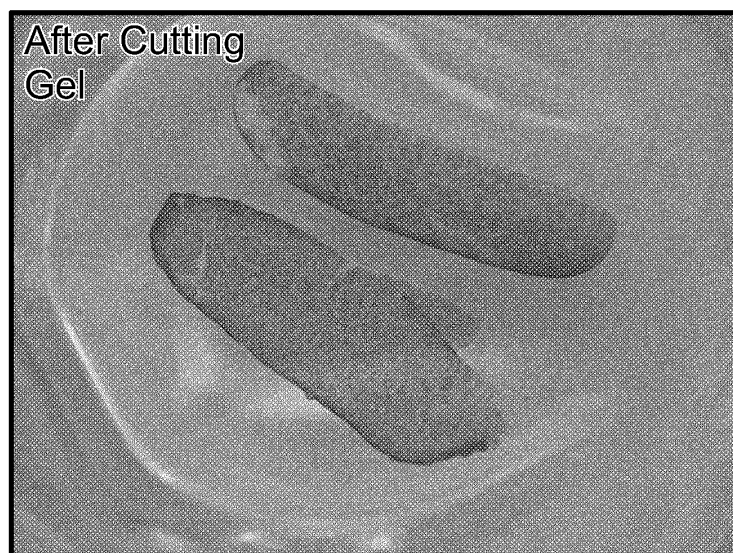


FIG. 15B

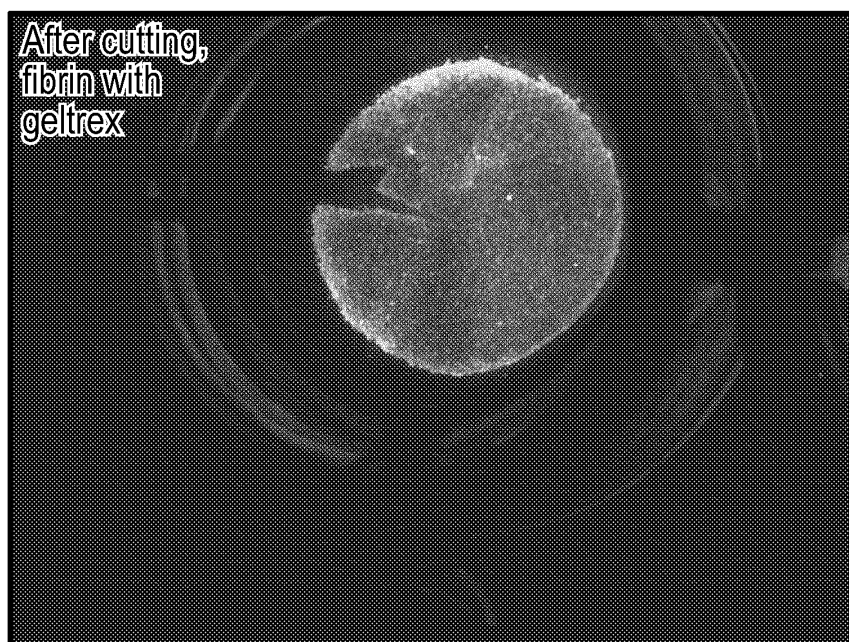


FIG. 16A

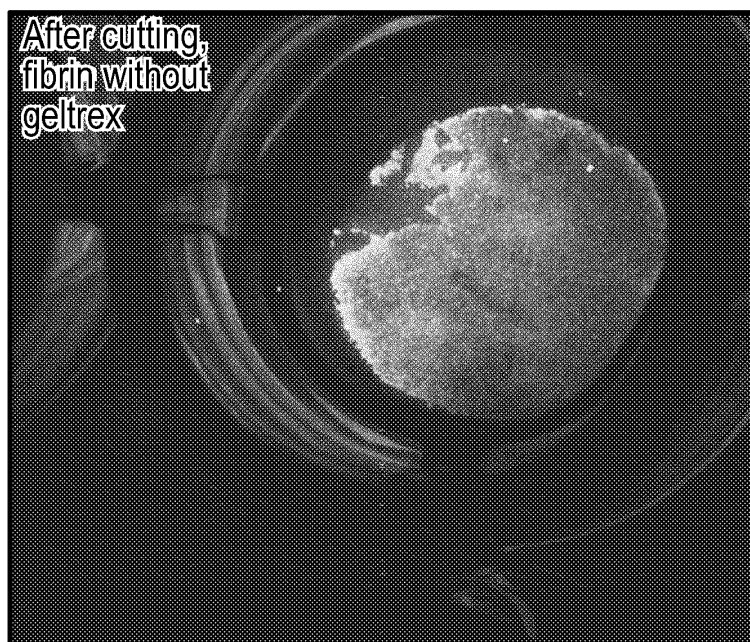


FIG. 16B

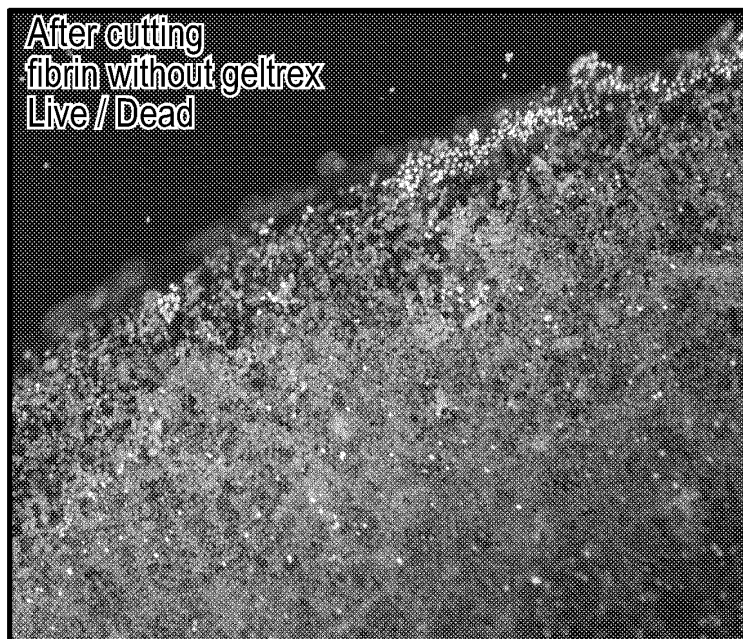


FIG. 17



FIG. 18A

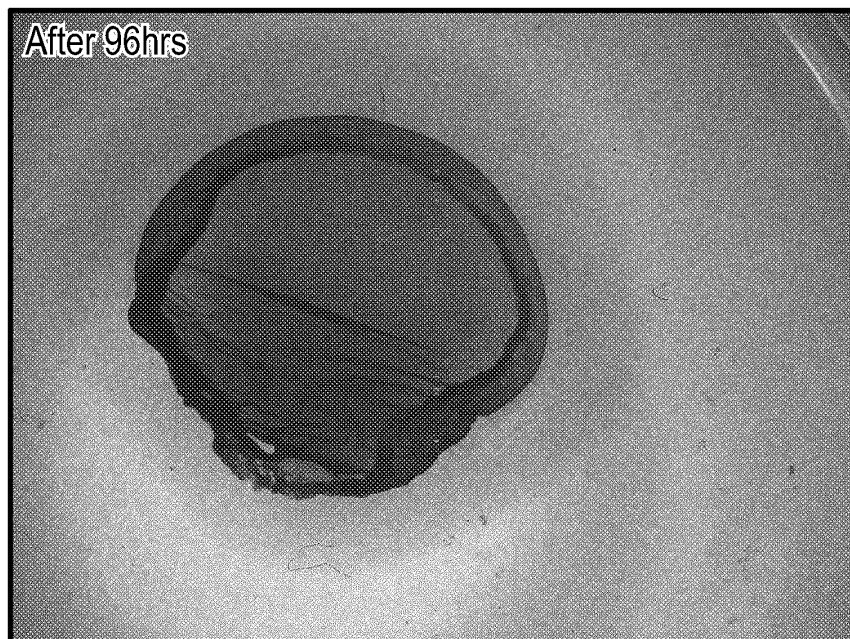


FIG. 18B

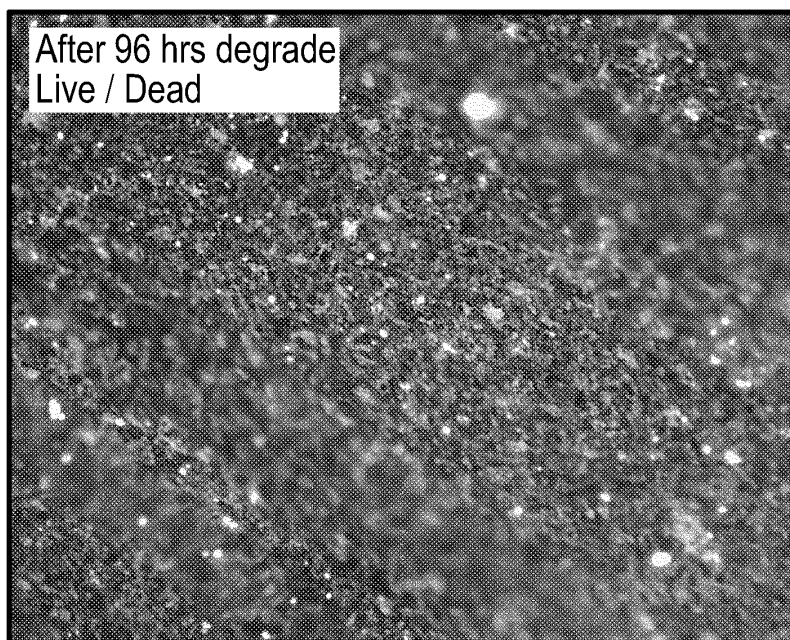


FIG. 19

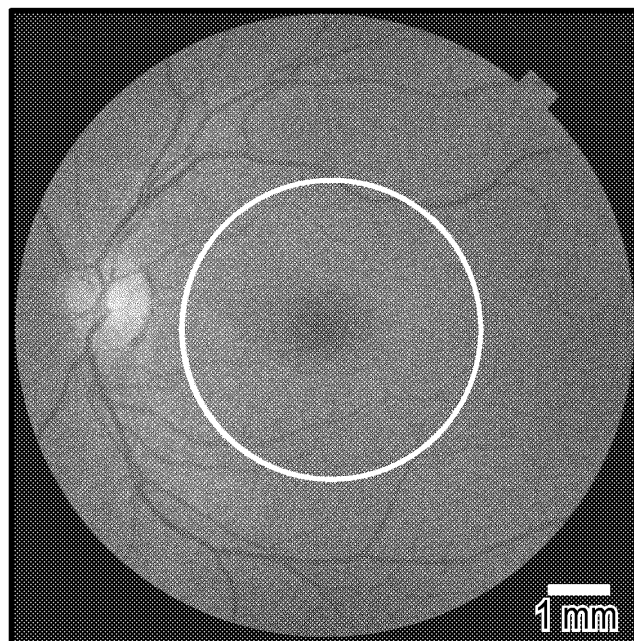


FIG. 20

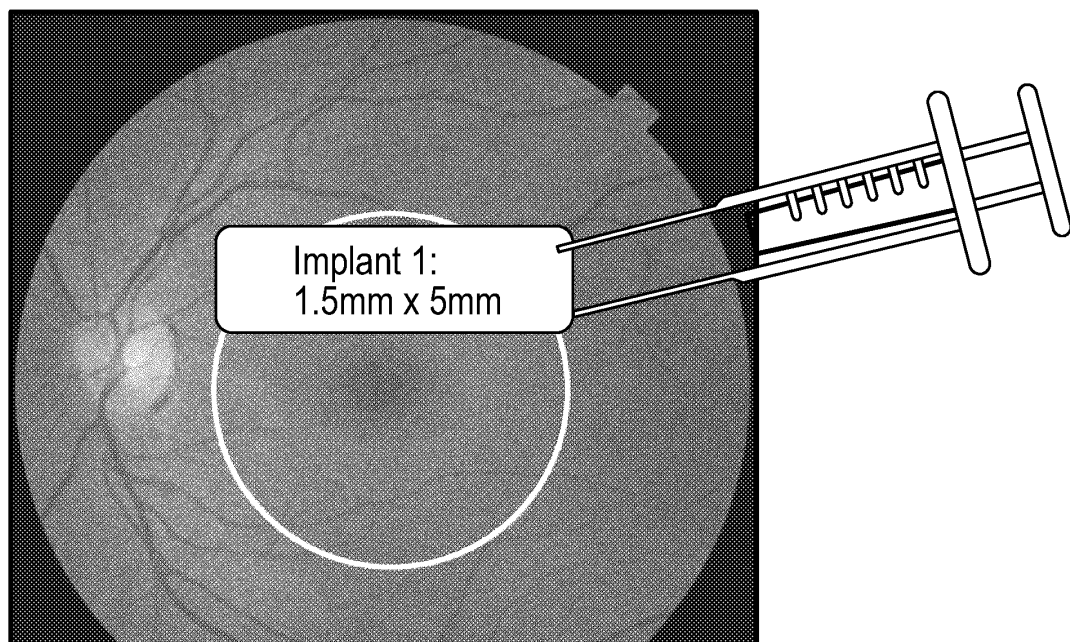


FIG. 21

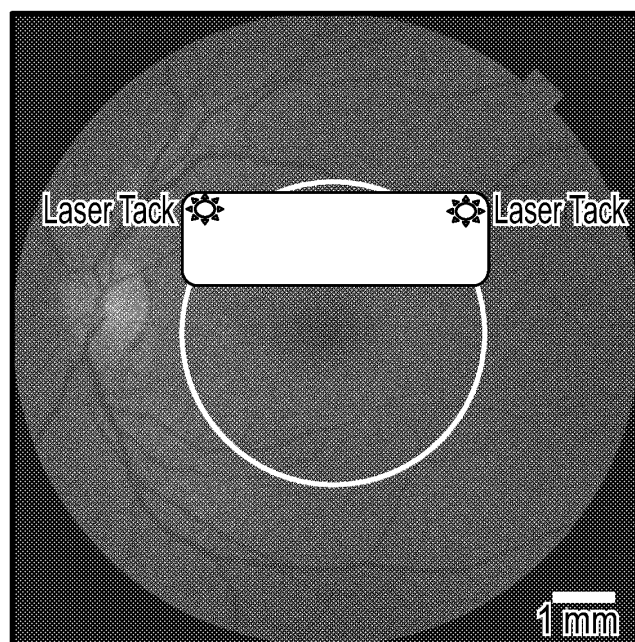


FIG. 22

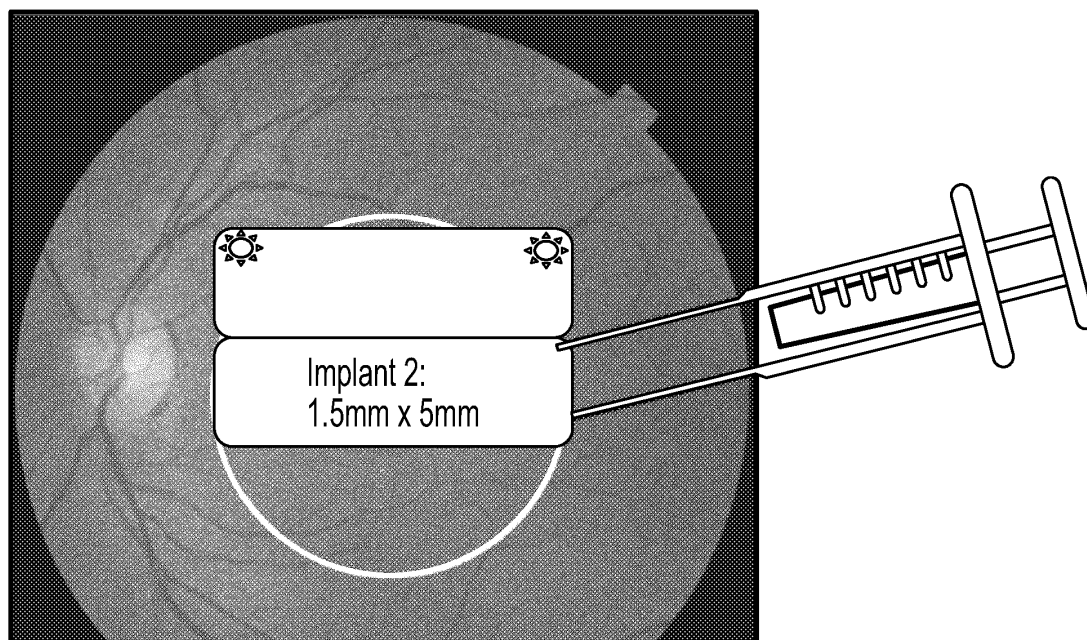


FIG. 23

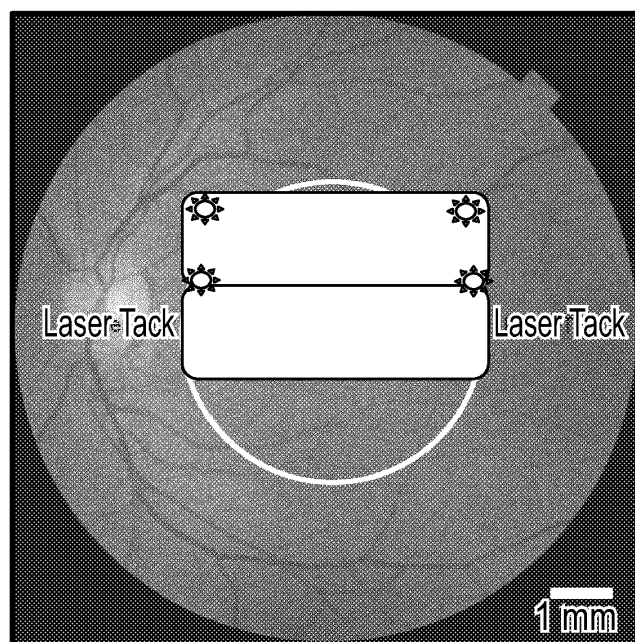


FIG. 24

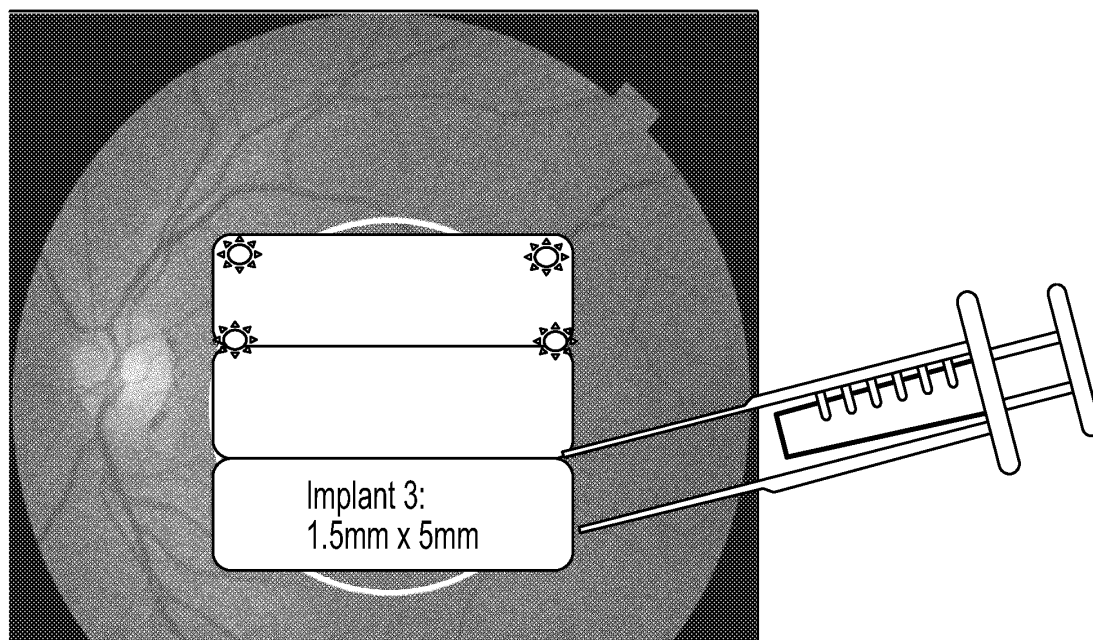


FIG. 25

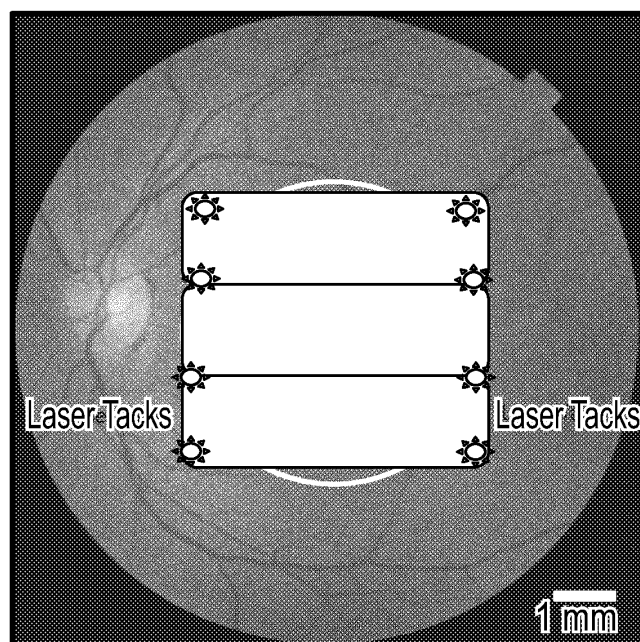


FIG. 26

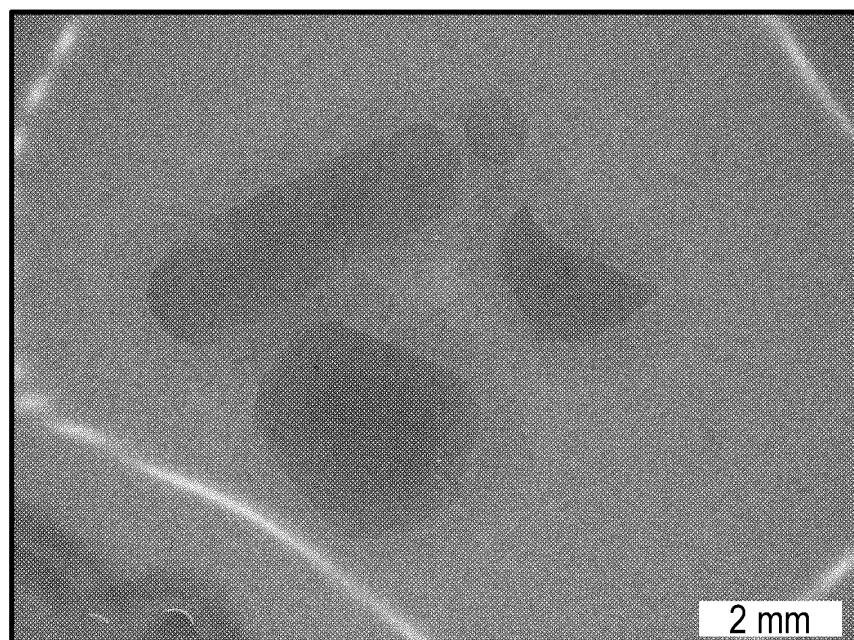


FIG. 27

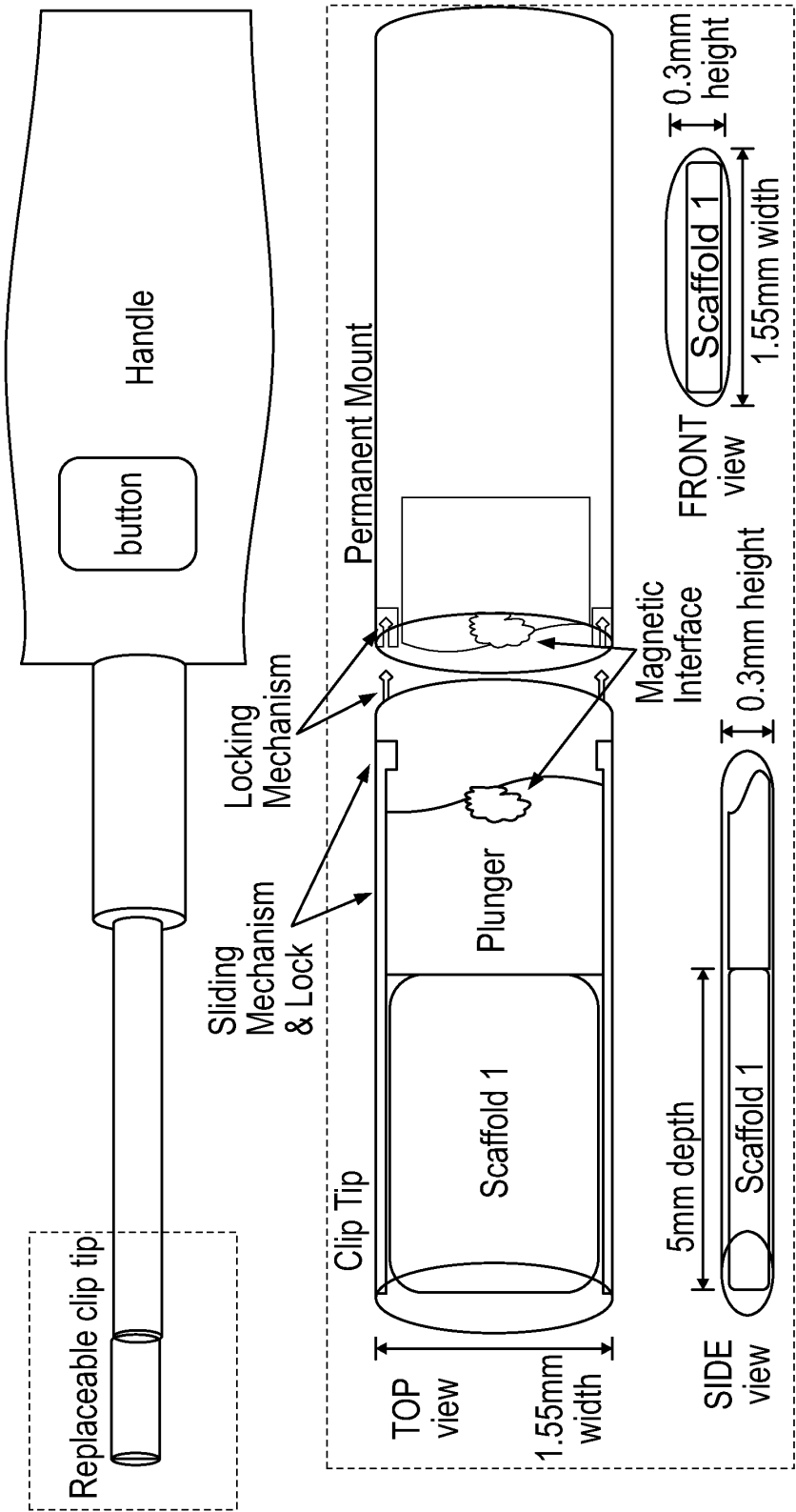


FIG. 28

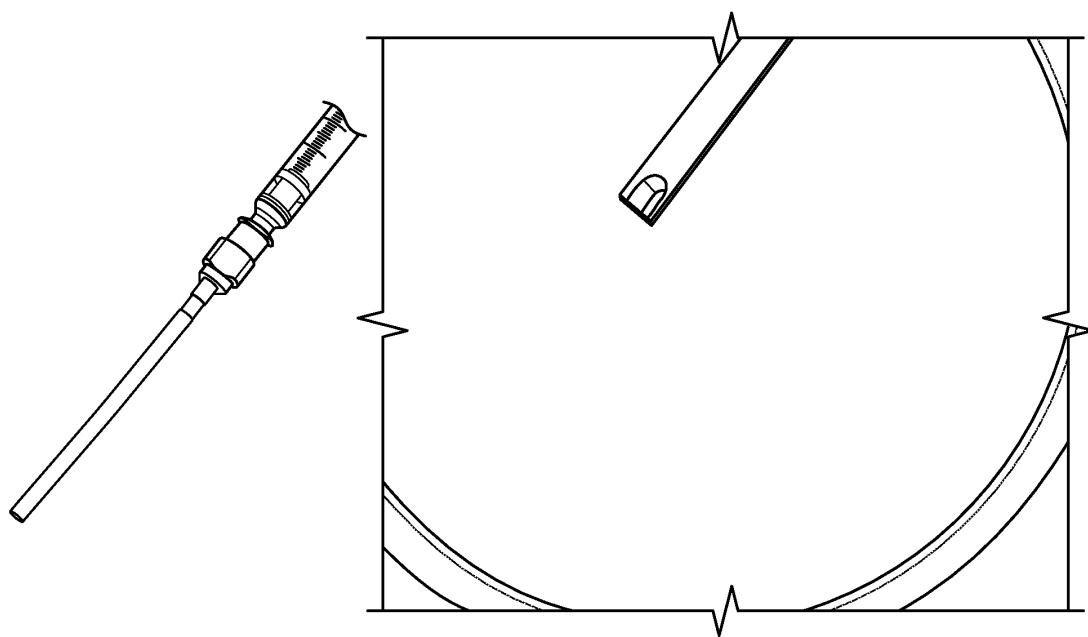


FIG. 29

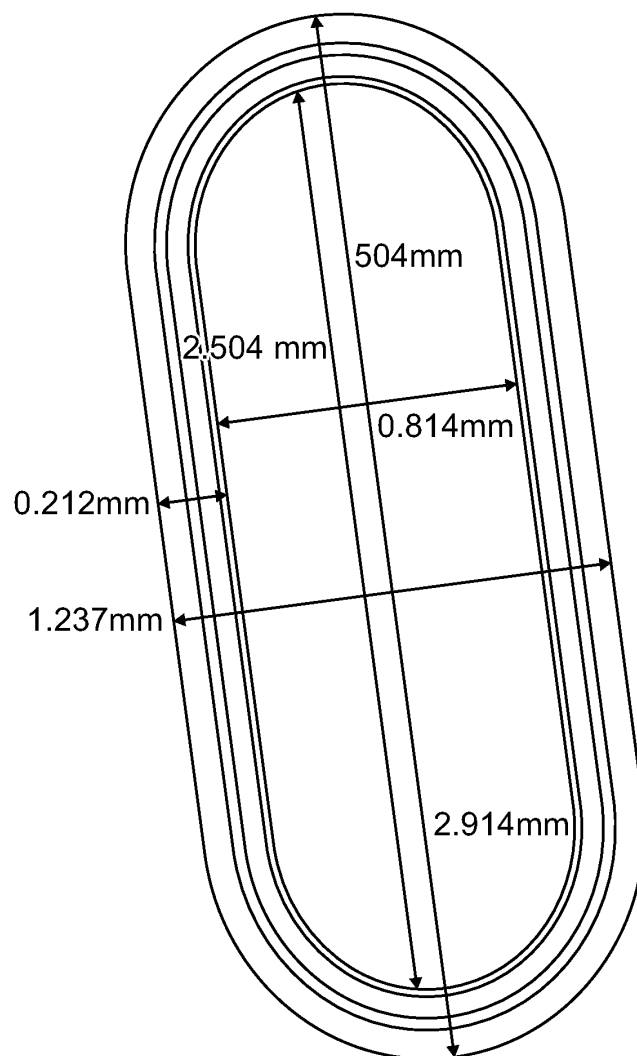


FIG. 30

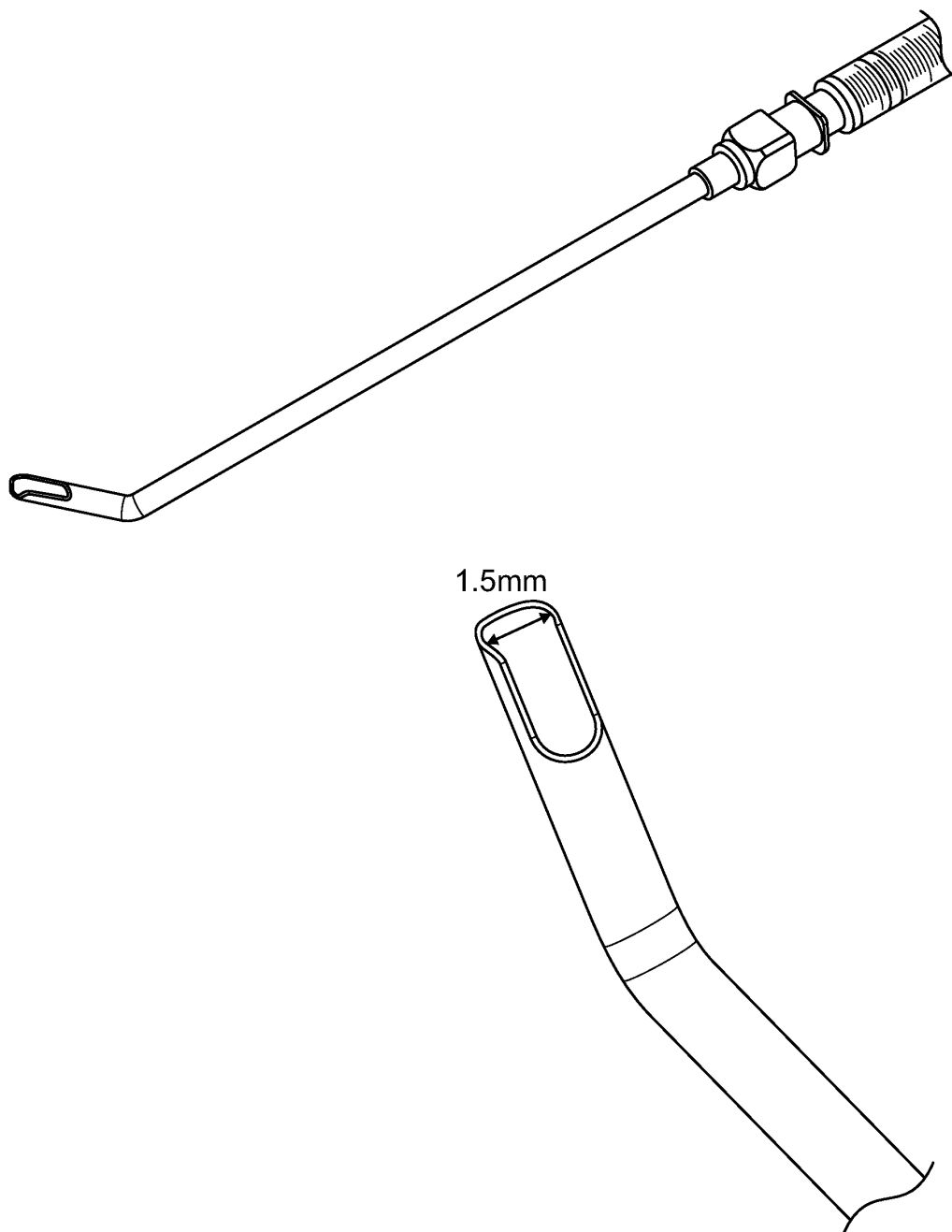


FIG. 31

SUBSTITUTE SHEET (RULE 26)

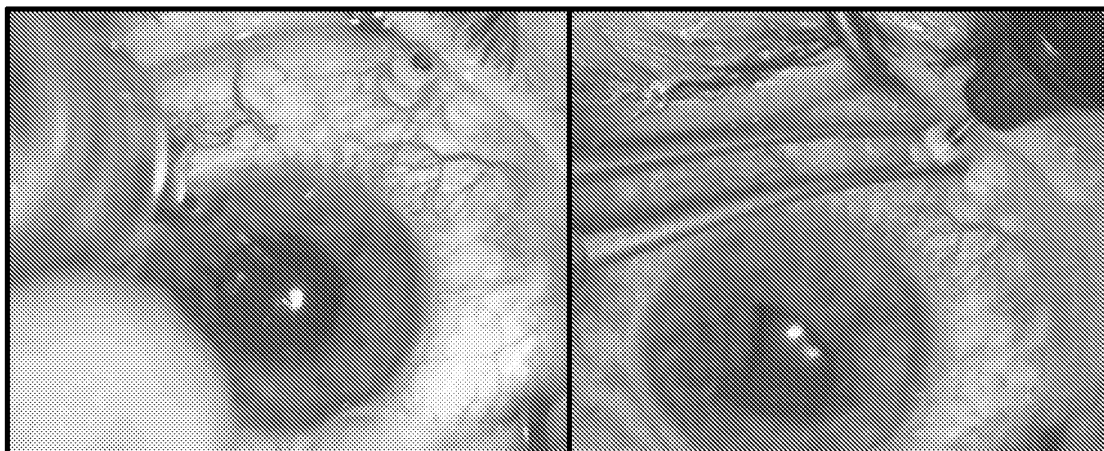


FIG. 32

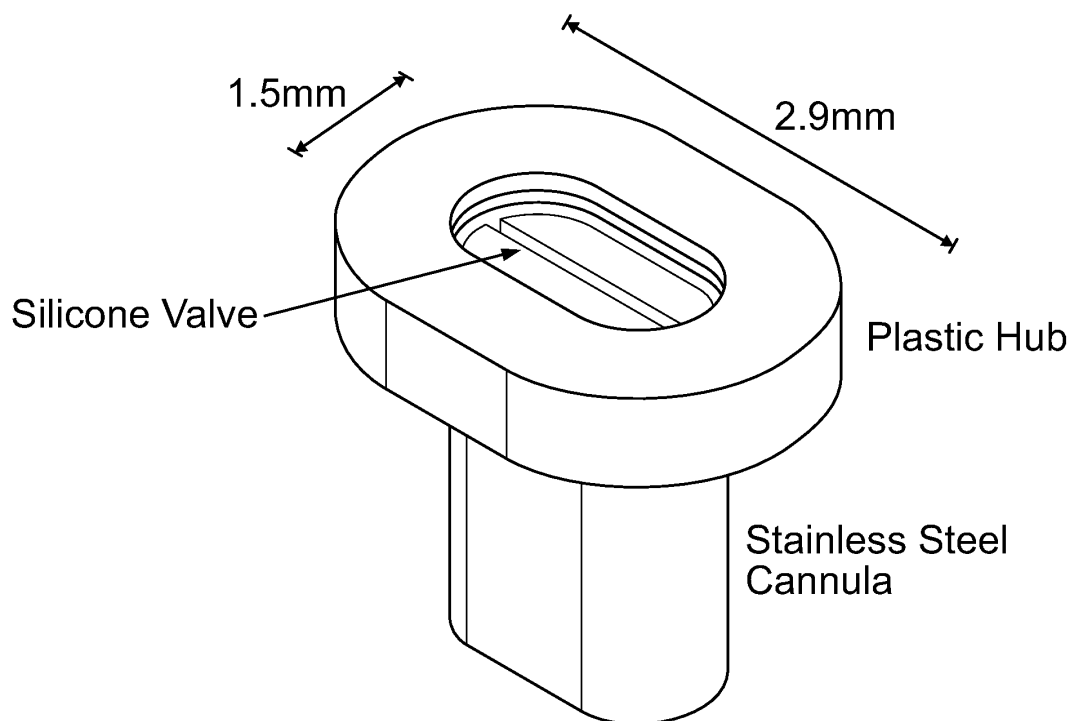


FIG. 33

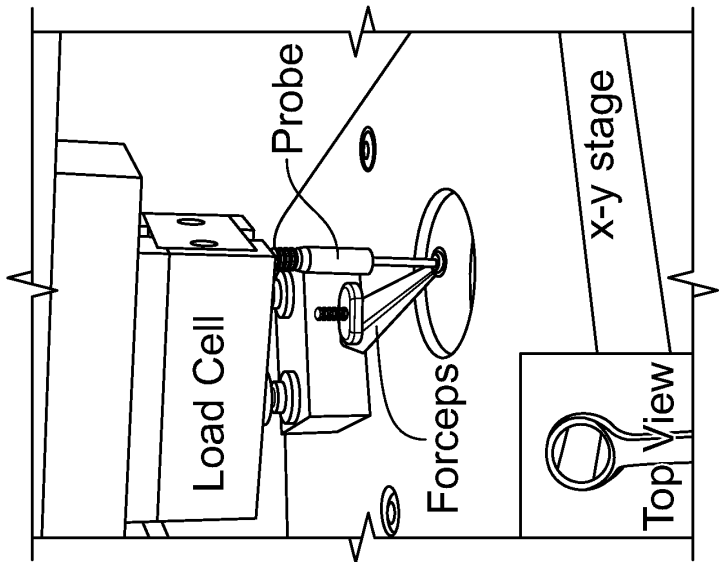


FIG. 34A

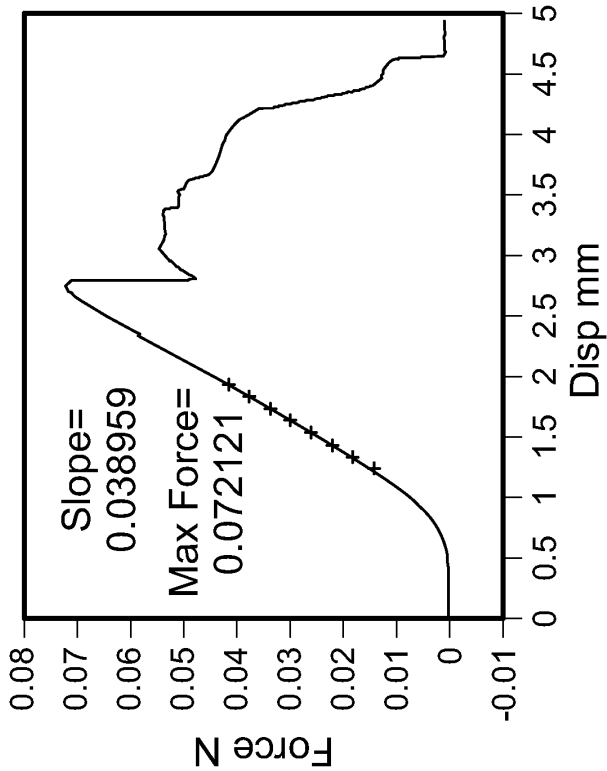


FIG. 34B

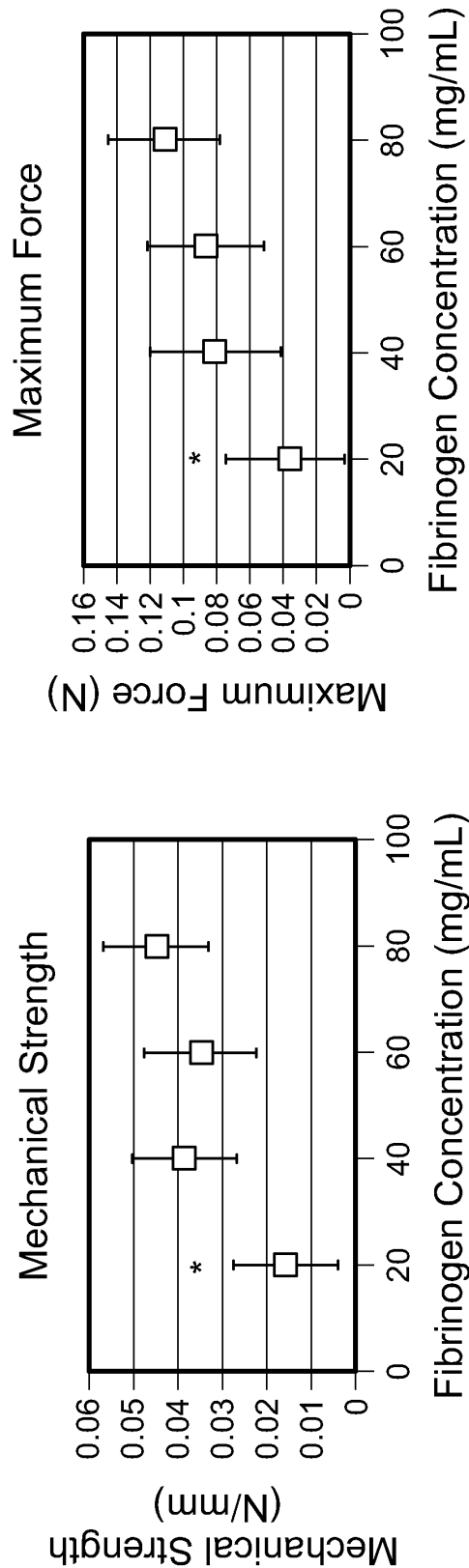


FIG. 34C

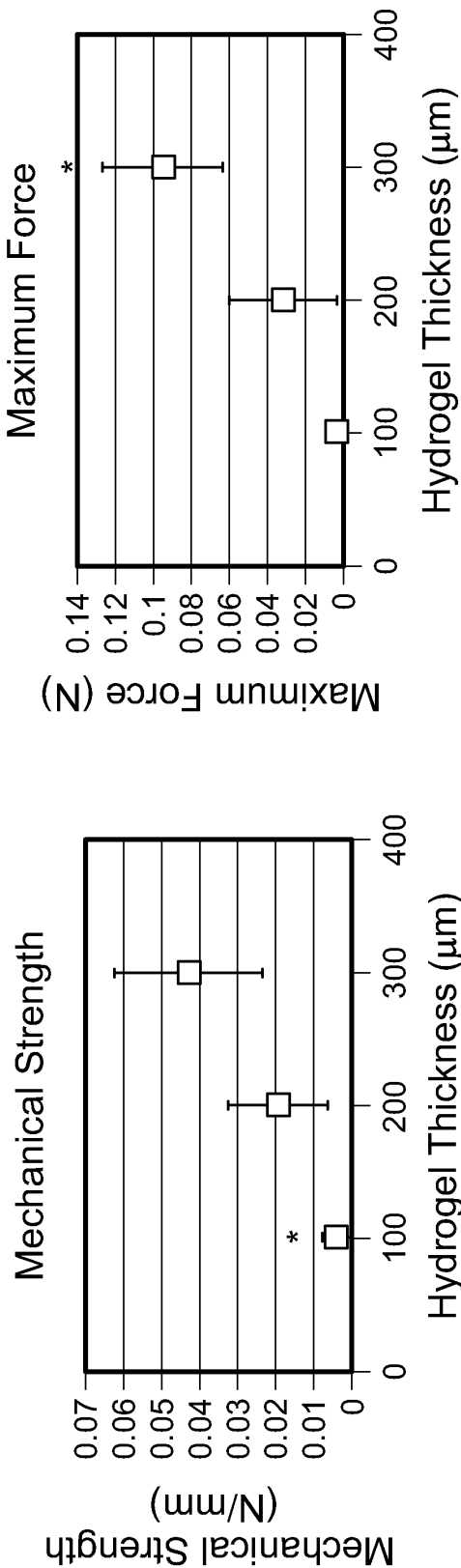


FIG. 34D

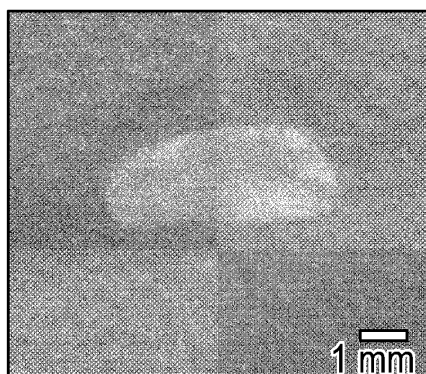


FIG. 35A

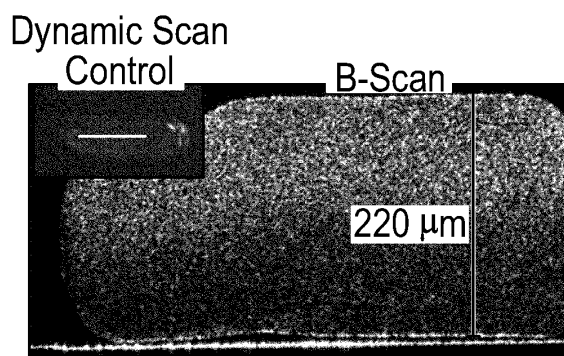


FIG. 35B

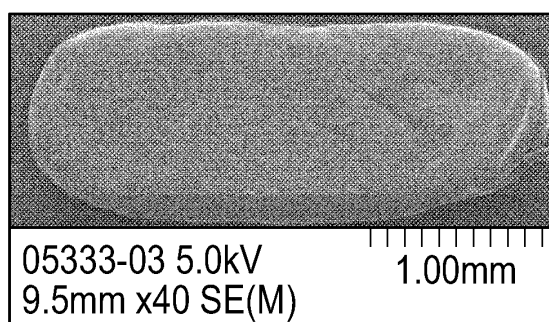


FIG. 35C

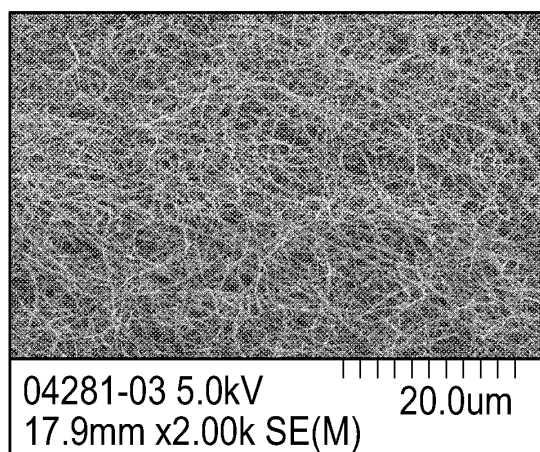


FIG. 35D

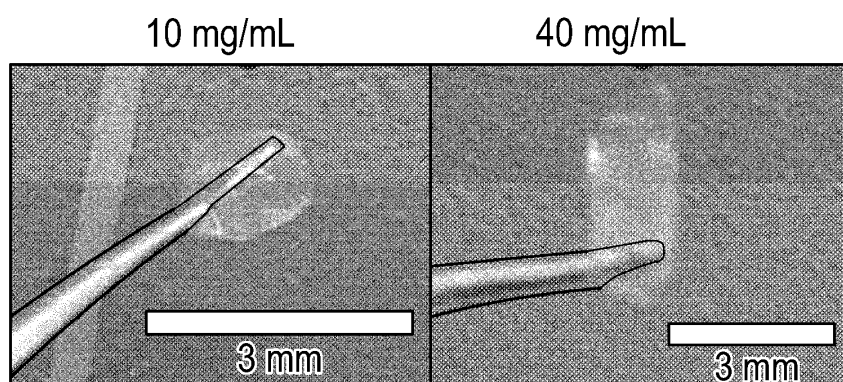


FIG. 35E

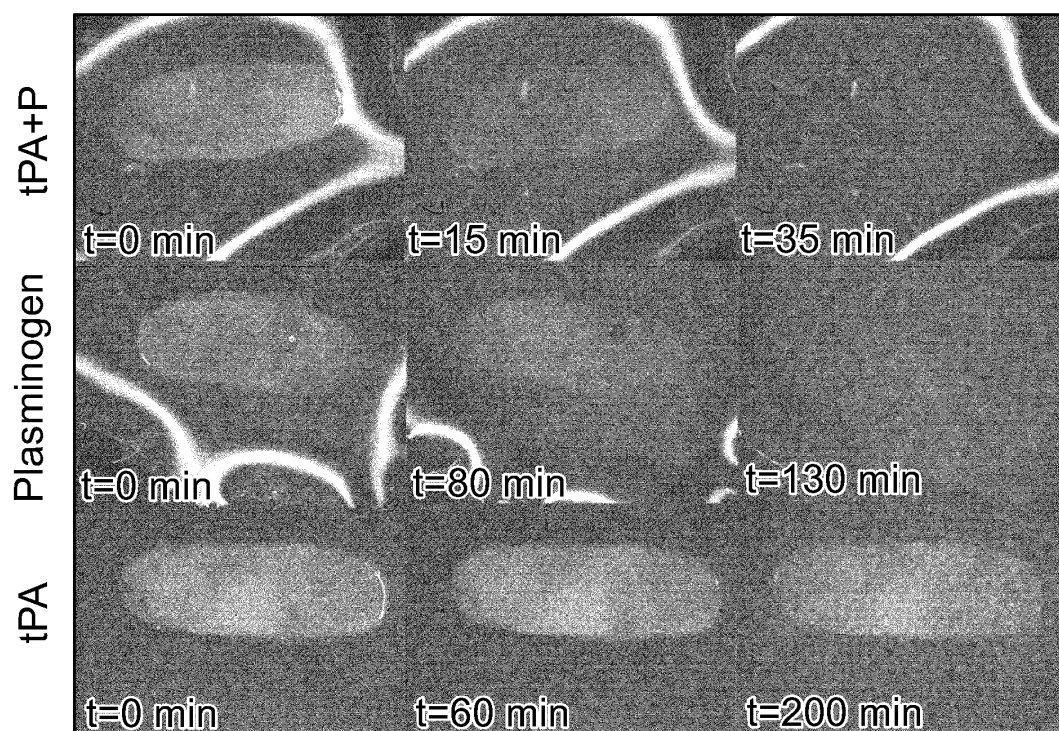


FIG. 36A

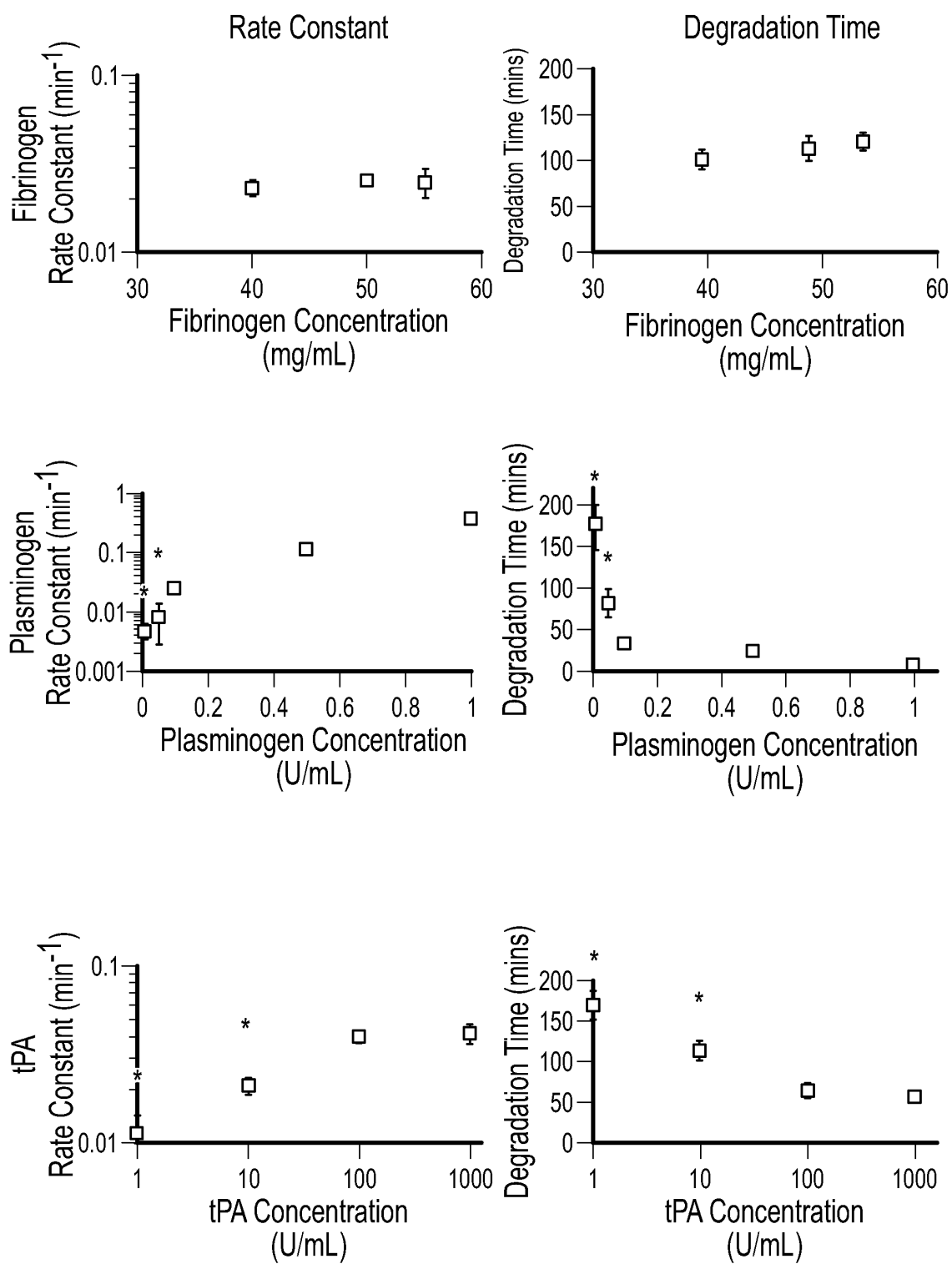


FIG. 36B

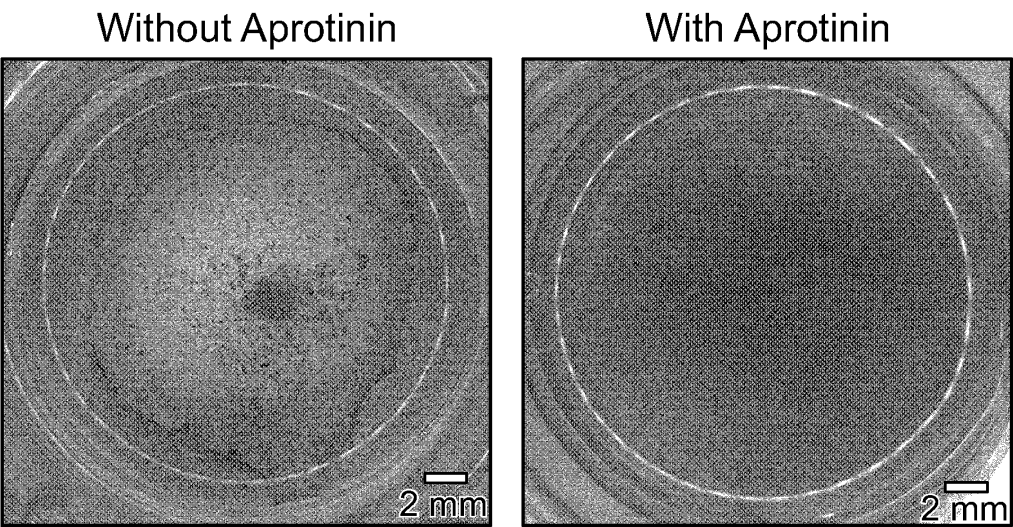


FIG. 37A

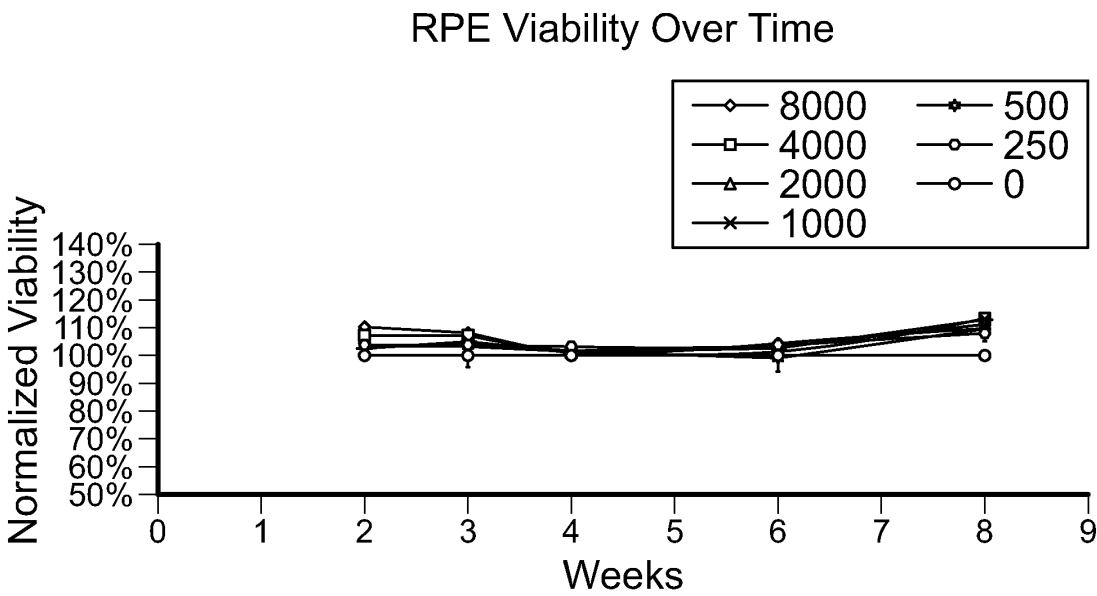


FIG. 37B

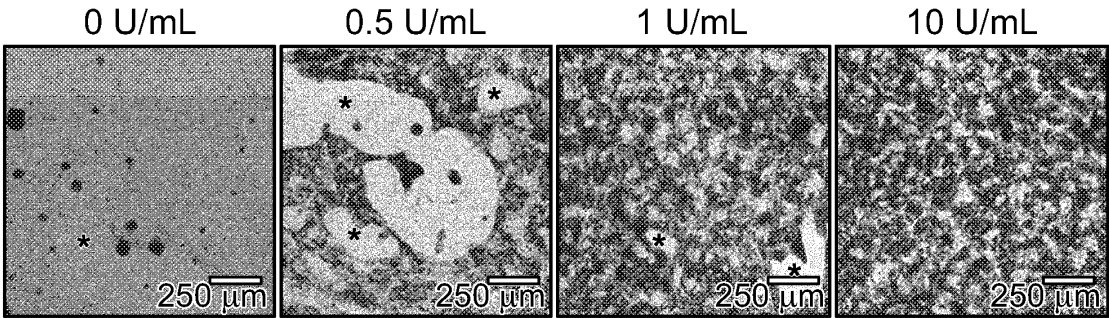


FIG. 37C

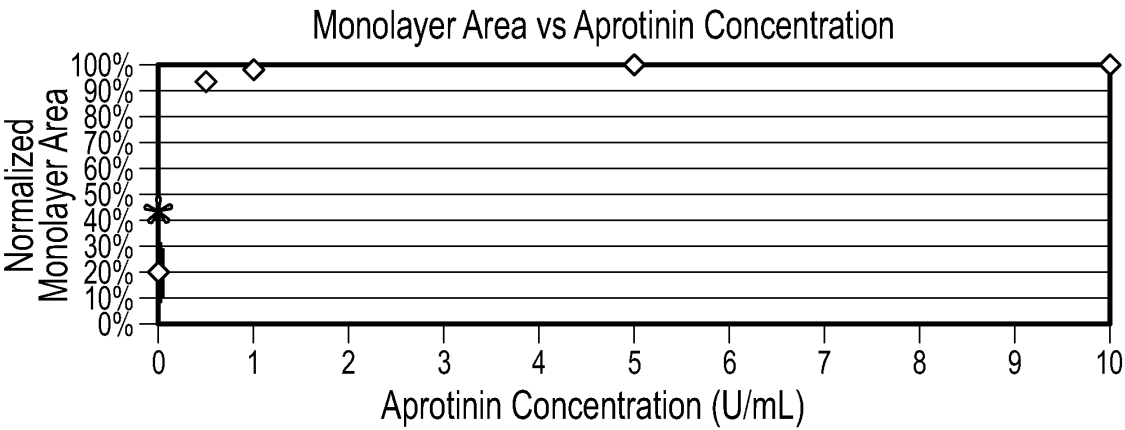


FIG. 37D

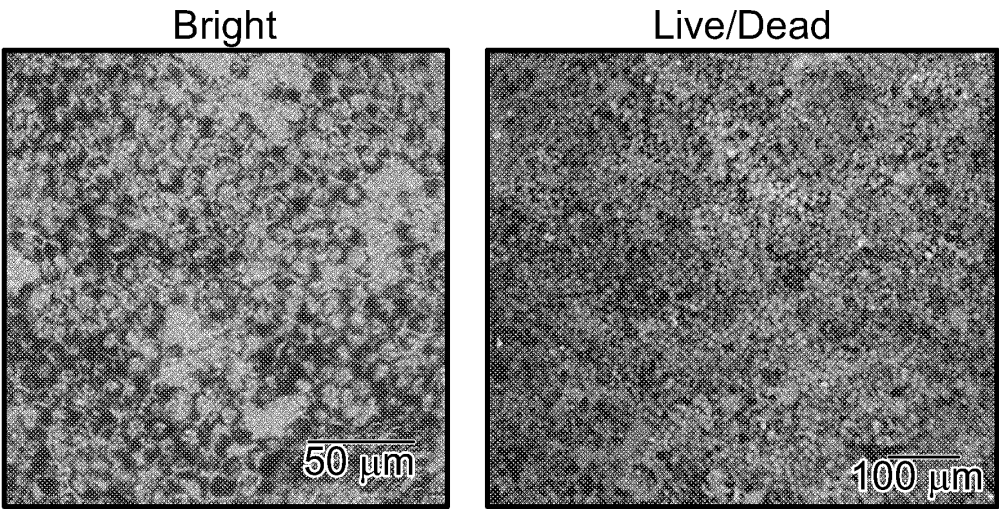


FIG. 38A

FIG. 38B

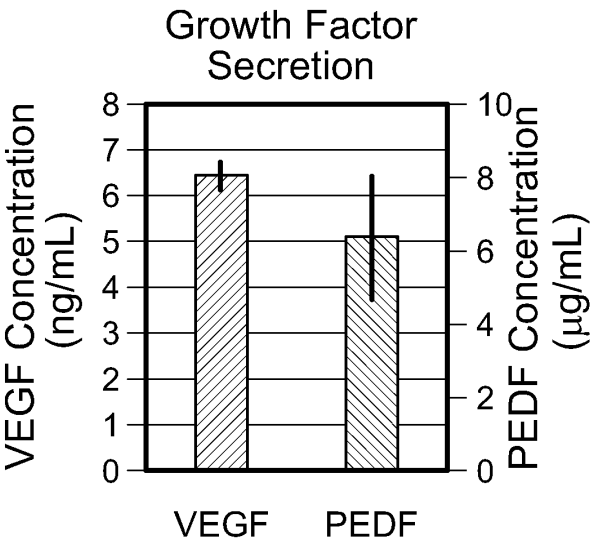


FIG. 38C

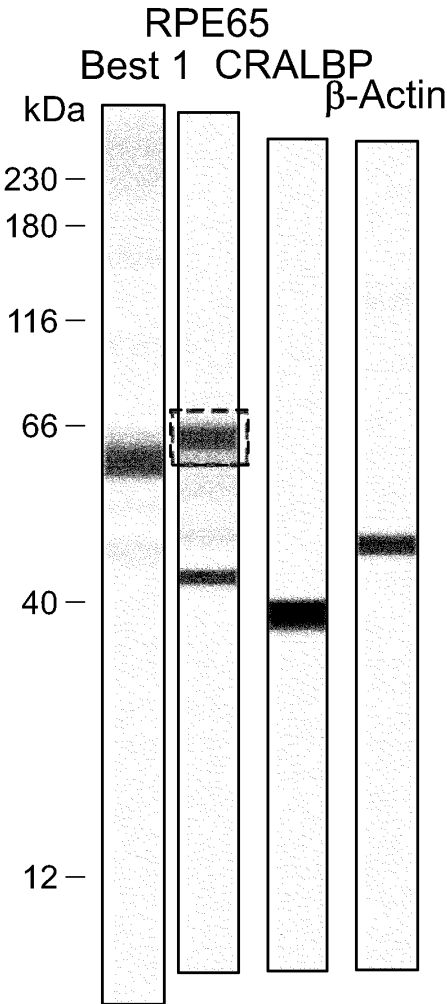


FIG. 38D

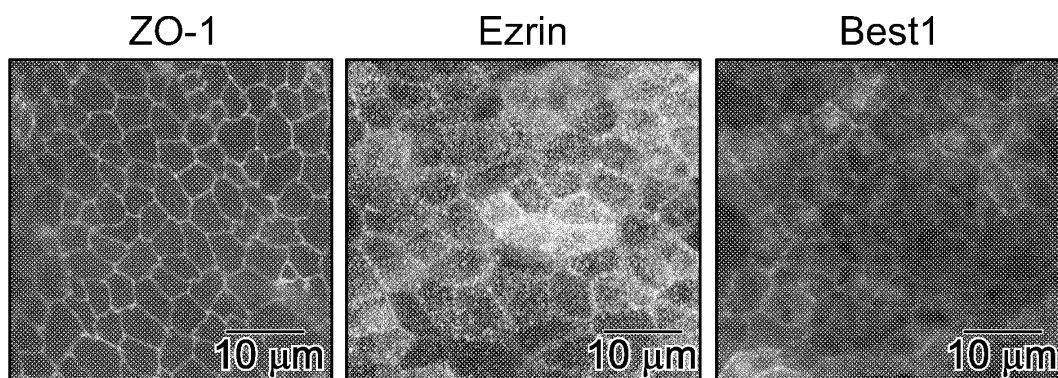


FIG. 38E

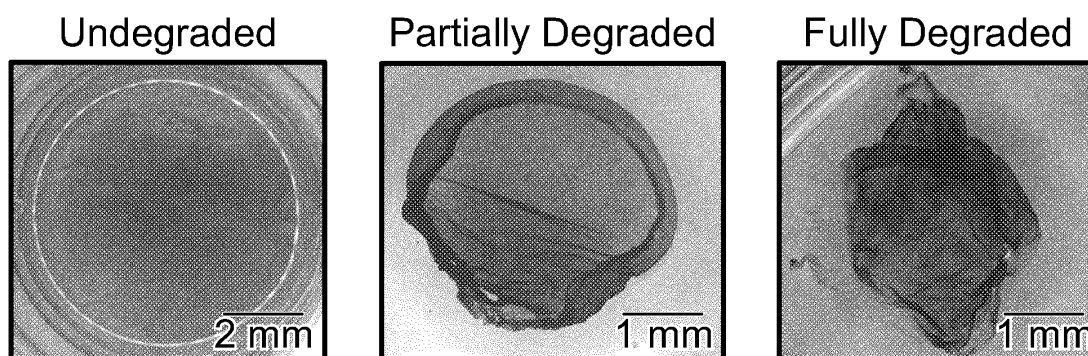


FIG. 39A

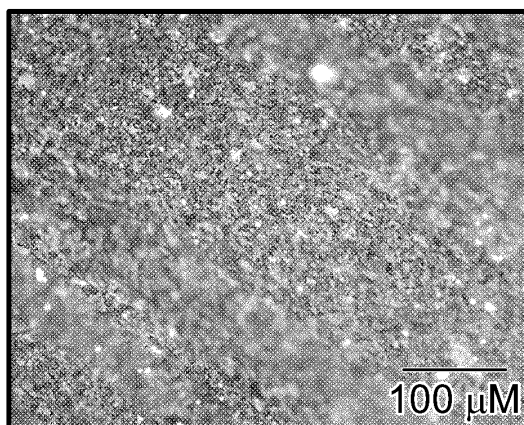


FIG. 39B

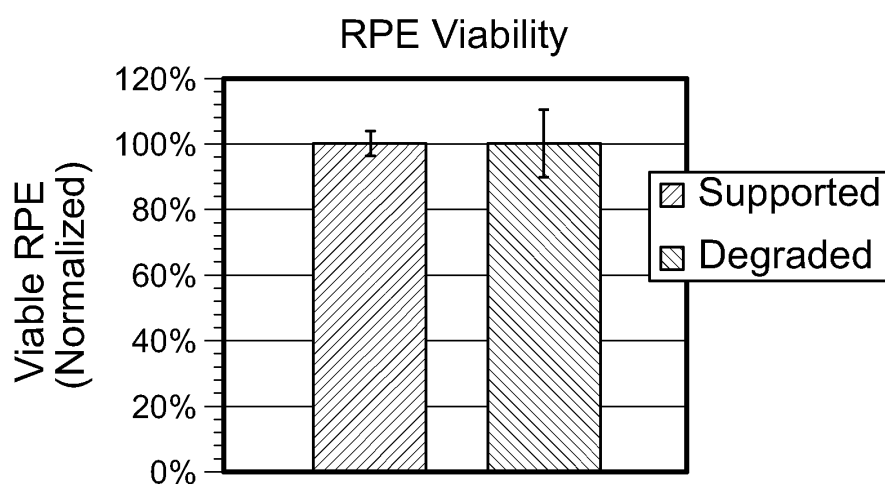


FIG. 39C

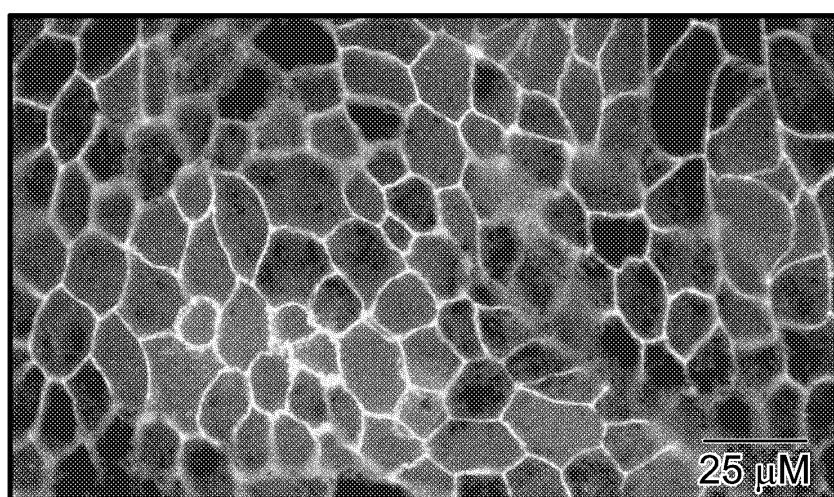


FIG. 39D

Gene	iPSC-RPE on Fibrin	Amplicon Size	Forward Primer (SEQ ID NO:)	Reverse Primer (SEQ ID NO:)
RPE65	+	101	AAC TTGGGTTTGGCAAGAGC (1)	CCACACTCAGAACTACACCATCA (2)
5' BEST1	+	359	ATTATAGGCTGGCCCTCACGGAA (3)	TGTTCTGCCGGAGTCATAAAGCCT (4)
3' BEST1	+	125	TGCCAGAGATCCCCGAAAAT (5)	GGAATGTGCTTCATCCCTGTT (6)
MERTK	+	172	ACTGCCTGGATGAACGTATGA (7)	GAGCTCTCCAGCAACTGTGT (8)
LRAT	+	277	TGGTCTCCAACAAGCGTCTC (9)	TCACAAAAC TTGTCGGACTGG (10)
RDH5 (RDH)	+	259	CCTTCCTCACCACCAAGTACCTGAAA (11)	CTCTTGCTGGAAGGCTGGAT (12)
RLBP1 (CRALBP)	+	122	AAGCTGCTTGAGAGGGTCTTT (13)	ACGGCCTTGCCATCATACTT (14)
CRX	+	150	CCAGGGTTCAGGTTGGTTC (15)	CATCTGTGGAGGCTCTGGG (16)
MITF	+	142	AATACAGGAAC TTGAATGCAGGC (17)	ATGCTGAAGGAGGCTCTTGGC (18)
TFE3	+	130	CGGGAGATCTCTGAGACCGA (19)	GGATGAGAGTGCCCAAGTTCC (20)
TFEB	+	159	CGCATCAAGGAGTTGGAAT (21)	CTCCAGGGCGCGAGAGT (22)
MLANA	+	181	CTGCTCATCGGCTGTTGGTA (23)	GAGCATTGGGAACCAAGGT (24)
PMEL	+	127	TGCCTGGGATTCCTCTCACAG (25)	TGCTTCATAAGTCTGCGCCTAT (26)
TYR	+	324	TTGACAGTATTTTGAGCAGTGGC (27)	GACACAGCAAGCTCACAAGC (28)
GPR143 (OA1)	+	236	TCTGAAGGTTCTGATGCCAGC (29)	GCTGGTGATGAGAGCAAGGT (30)
OCLN	+	223	AAGCAAGTGAAGGGATCTGC (31)	TCACAGAGGTTGGCTTCCG (32)

FIG. 40

EZR	+	307	CGCTCTAAGGGTTCGTCT (33)	TCCTGGGCAGACACCTTCTTA (34)
CDH2	+	341	ATCCTGCTTATCCTTGCTGA (35)	GGGTCATTGTCAGCCGCTT (36)
ITGB5	+	306	GGTGGACACCATCGTGAAG (37)	GAAGCCATTTCATAGCGGGC (38)
ITGAV	+	124	AATGTCACCTGGGCATTCA (39)	AAAAGCCCATCCTGTACATAAAA (40)
SERPINF1 (PEDF)	+	349	CTTCAAGGGGCAGTGGTAAC (41)	GGACTTGGTGACTTCGCCCT (42)
AQP11	+	110	TCCGAACCAAGCTTCGTATC (43)	TAGCGAAAGTGCCAAAGCTG (44)
AQP1	+	134	TGGACACCTCCTGGCTATTG (45)	GGGCCAGGATGAAGTCGTAG (46)
SLC16A8 (MCT3)	+	119	CTGCAGTTCGAGGTGCTCAT (47)	AGGCGGCCGGCCAGAG (48)
SLC16A1 (MCT1)	+	242	ACCACITTTAGGTCGGCTCA (49)	TCTGGTCCGGAGATTCTGCT (50)
BSG (CD147,EMMPRIN)	+	129	AACTCTTCCTGAGGCAGGTGG (51)	GGAATCTACGGGGTGGGTTT (52)
HIF1A	+	128	GCCAGACGATCATGCAGCTA (53)	GCAGTCTACATGCTAAATCAGAGG (54)
OTX2	+	134	TCGAGGGTGCAGGTATGGTT (55)	TCTGAACCTCACTTCCCGAGC (56)
ACTB	+	207	GATCAAGATCATTGCTCCTCTG (57)	CTGGCGAAGTTAGGTTTGTCA (58)
GAPDH	+	109	CTCTGCTCCTCCTGTTCCGAC (59)	ACCAAATCCGTTGACTCCGA (60)
LIN28A	-	256	AGATCAAAAAGGAGACAGGTGCT (61)	AATAGCCCCCACCATTGTG (62)
NCAM	+	157	ACTGACGGAGCCCGAGAAG (63)	TTGCTCGGTTCTCTTCACCC (64)
CD36	+	125	TTGGCTTAATGAGACTGGGACC (65)	ACATCACCACACCAACACTGA (66)

FIG. 40 (Cont.)

NANOG	+	190	GTGACGCAGAAGGCCTCA (67)	TGCACCAGGTCTGAGTGTTT (68)
SeV	-	181	GGATCACTAGGTGATATCGAGC (69)	ACCAGACAAGAGTTTAAGAGATATGTATC (70)
SeV KLF	-	410	TTCTGTCATGCCACAGAGGCCCC (71)	AATGTATCGAAGGTGCTCAA (72)
SeV KOS	-	528	ATGCACCGCTACGACGTGAGCGC (73)	ACCTTGACAATCCTGATGTGG (74)
SeV c-myc	-	532	TAACTGACTAGCAGGCTTGTCG (75)	TCCACATACAGTCCCTGGATGATGATG (76)

FIG. 40 (Cont.)

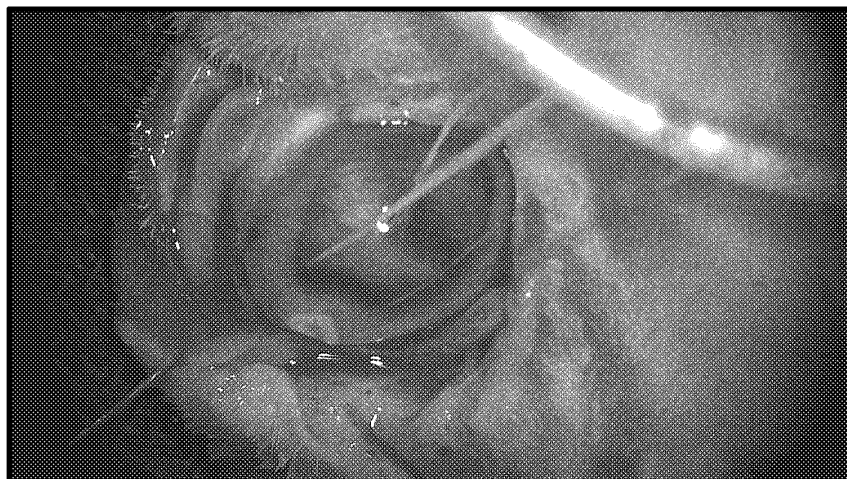


FIG. 41

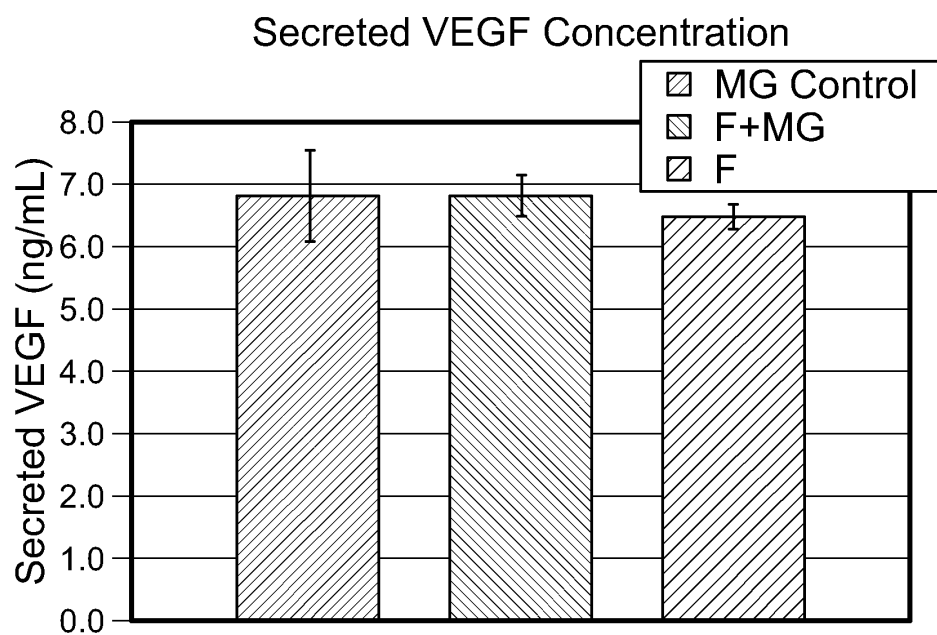


FIG. 42A

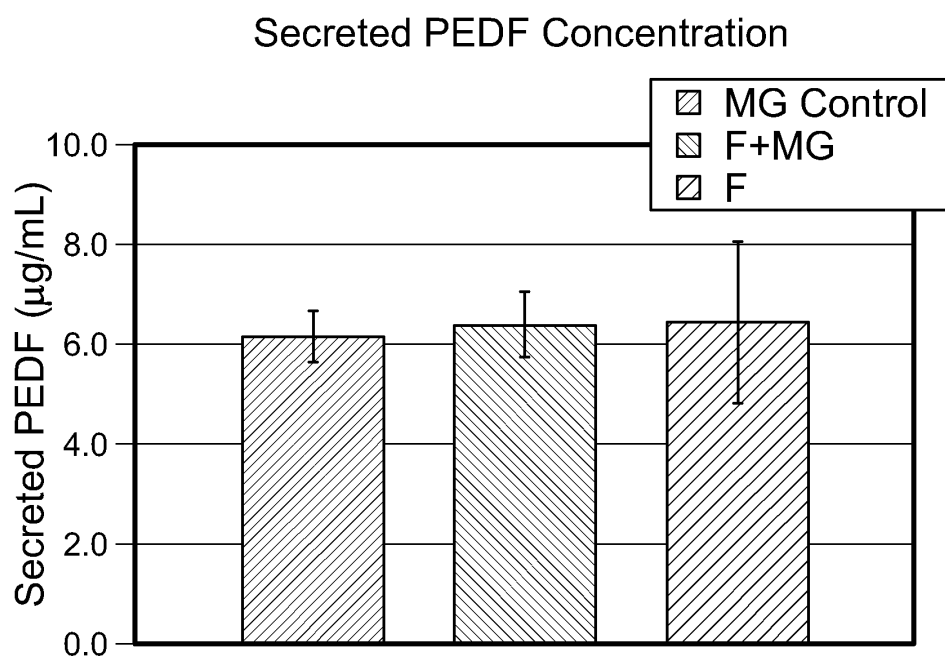


FIG. 42B

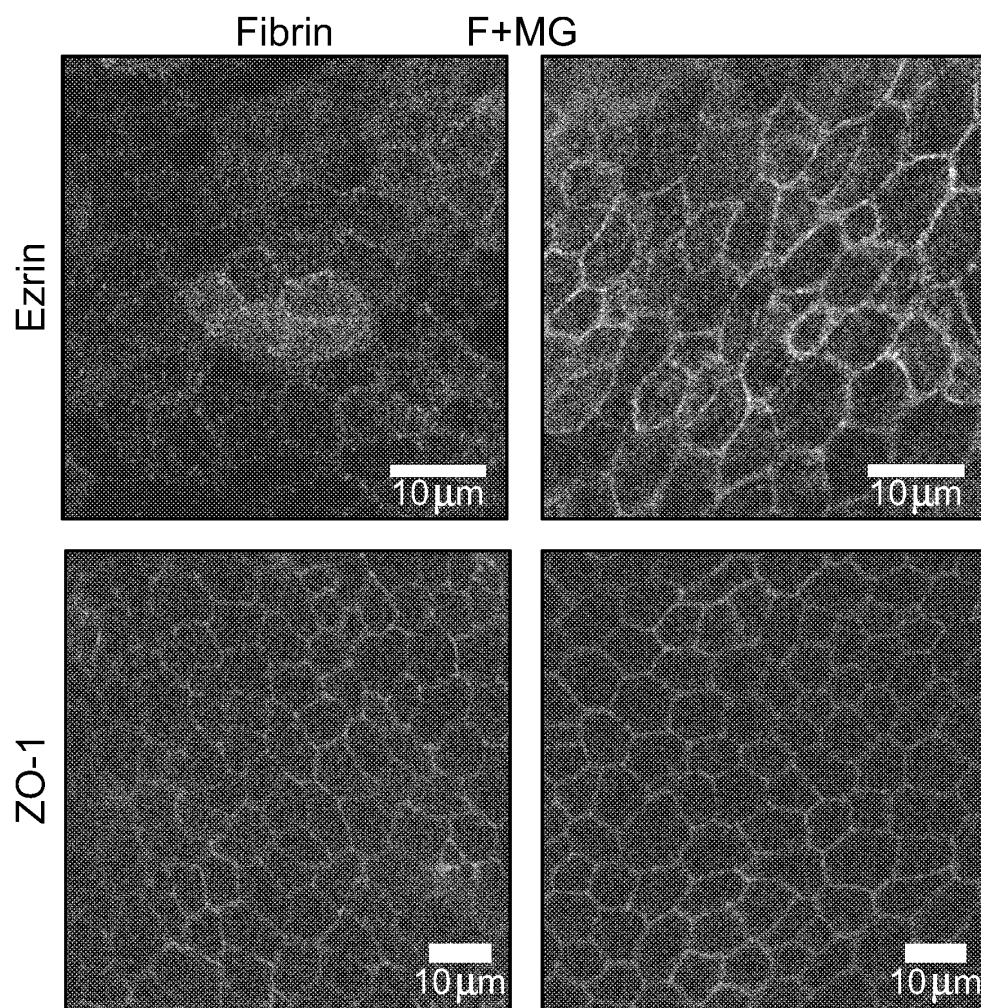


FIG. 43

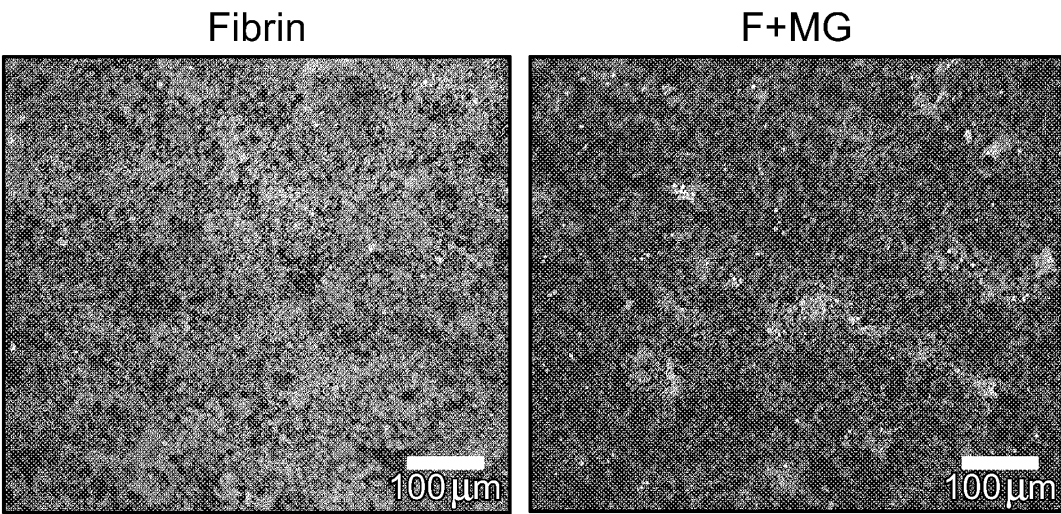


FIG. 44

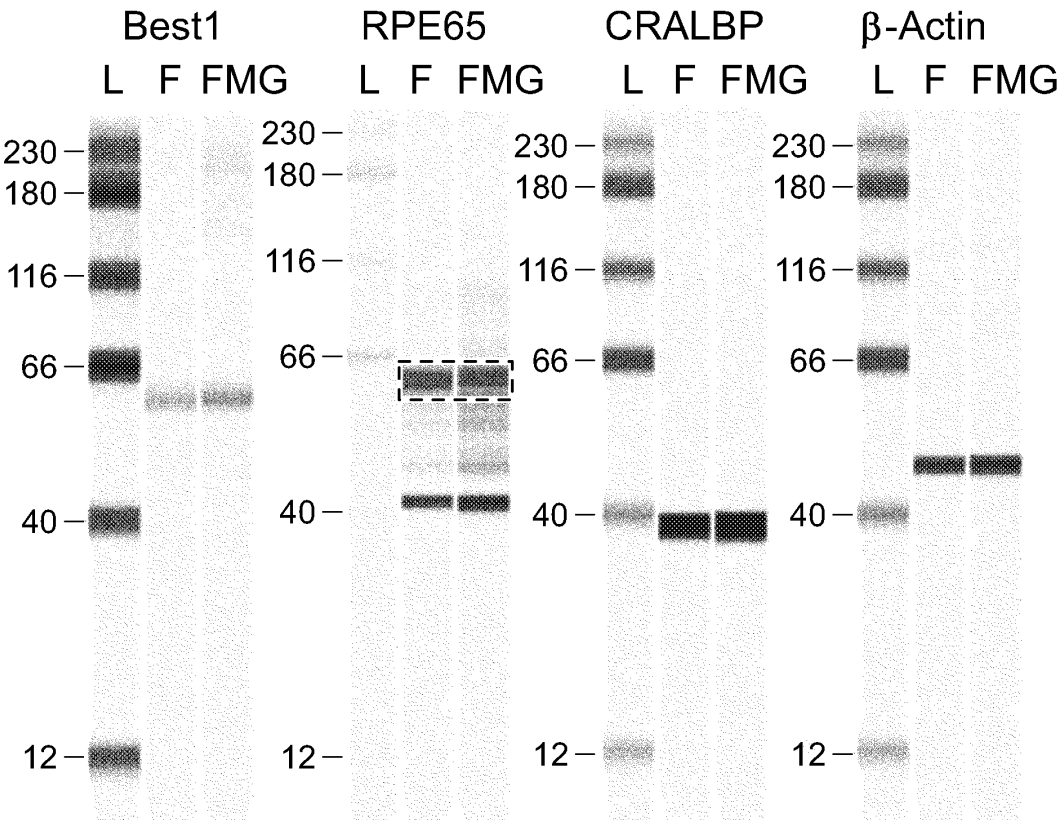


FIG. 45

Insert Device (Side)

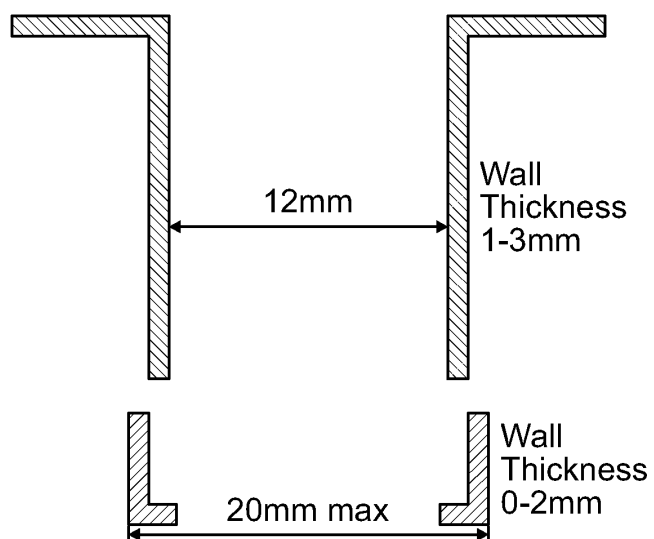


FIG. 46

Insert Device (Top)

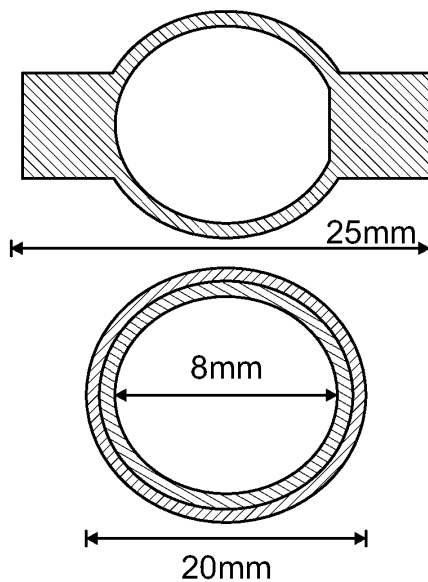


FIG. 47

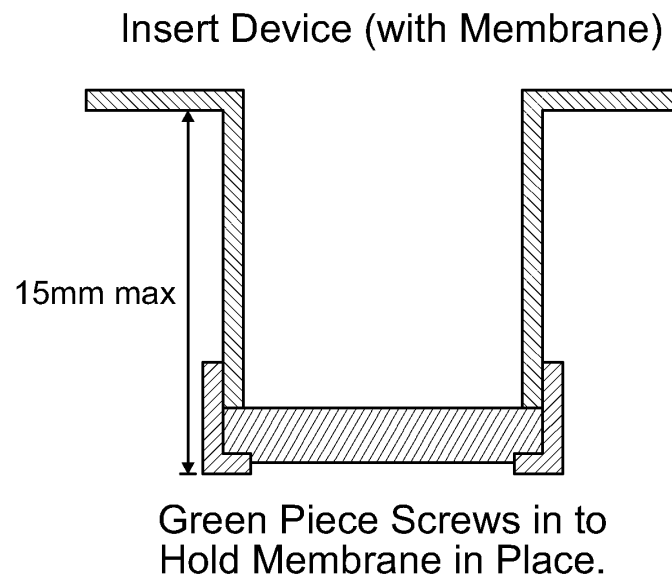


FIG. 48