

FIGURE 1

Antigen	P1	P3	P4	P6	P7	P9
CD 34 (stem cell marker)	+	+/-	-	-	-	-
CD 90 (stem cell marker; fibroblasts)	+	++	++	+++	+++	+++
c-Kit (stem cell marker)	+	+	++	+++	+++	+++
Factor VIII (differentiation marker)	+	+/-	+/-	-	-	-
Alpha-actin (marker of vascular smooth muscle cells)	+	+	+/-	-	-	-
Vimentin (marker of mesoderm origin; mesenchymal cells)	+++	+++	+++	+++	+++	+++
Desmin (marker of mesoderm origin; muscle cells)	+	-	-	-	-	-
S-100 (marker of neuroectoderm origin)						
Keratin (marker of ectoderm origin)						

FIGURE 2

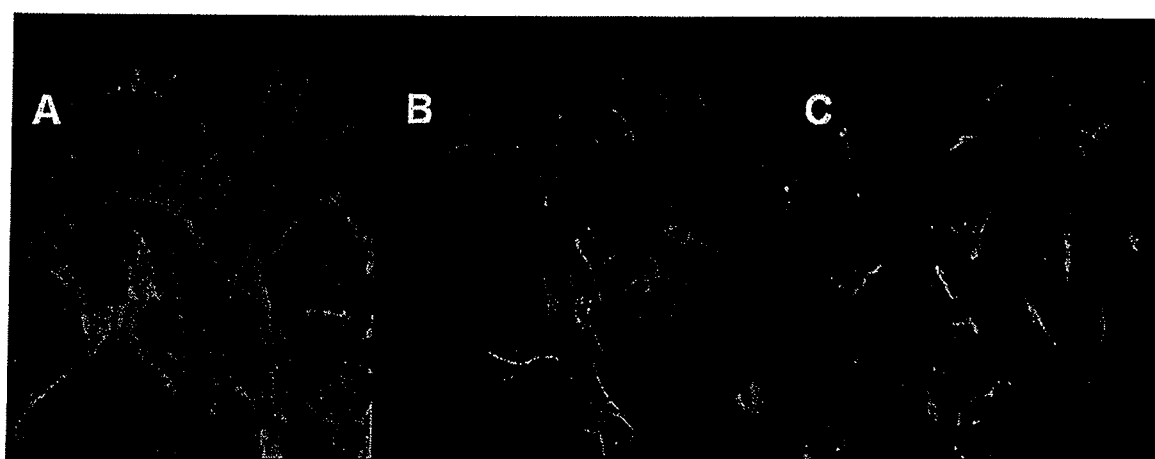


FIGURE 3

Implant no.	Patient no.	Age (years)	Gender	Type of fistula	Passage no.	Culture time (days)	Cell number (x10 ⁶)	Outcome
1	001	35	F	Recto-vaginal	1	6	6.1	Healed
2	002	40	F	Enterocutaneous Middle line	1	9	9.0	Healed
3	002	40	F	Enterocutaneous Periumbilical	1	7	8.0	NA
NI	003	36	M	Perineal	1	NA	NI	NA
4	002	40	F	Recto-vaginal	2	14	10.0	Not Healed
5	002	41	F	Enterocutaneous Suprapubic	2	8	3.5	Healed
6	001	37	F	Rectovaginal	1	12	20.0	Healed
7	004	36	M	Enterocutaneous Right Lower Quadrant	2	16	30.0	Not Healed
8	005	32	M	Perineal	2	31	20.0	Healed
9	002	41	F	Enterocutaneous Right Lower Quadrant	3	12	15.0	Healed

FIGURE 4

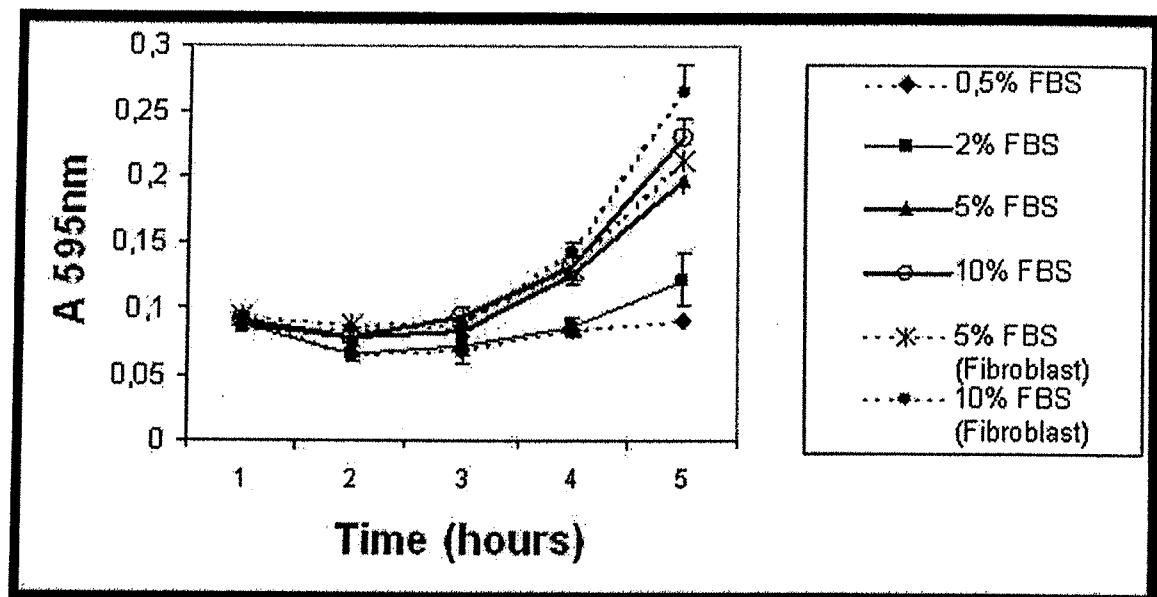


FIGURE 5



FIGURE 6

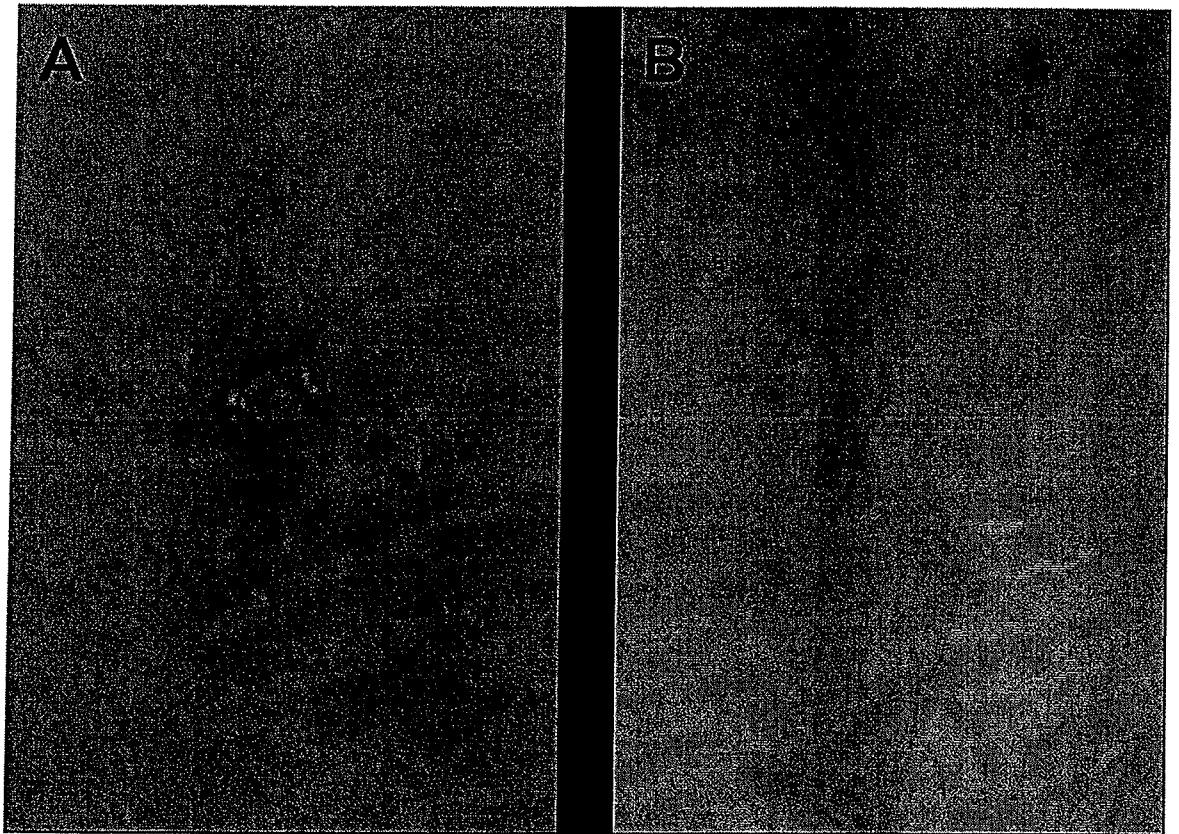


FIGURE 7 A

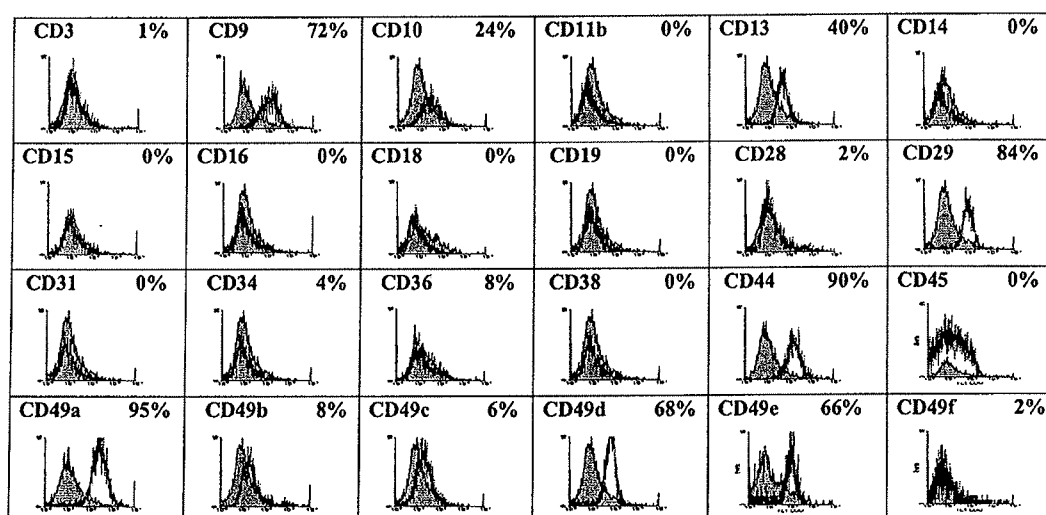


FIGURE 7 B

