

FIG.1

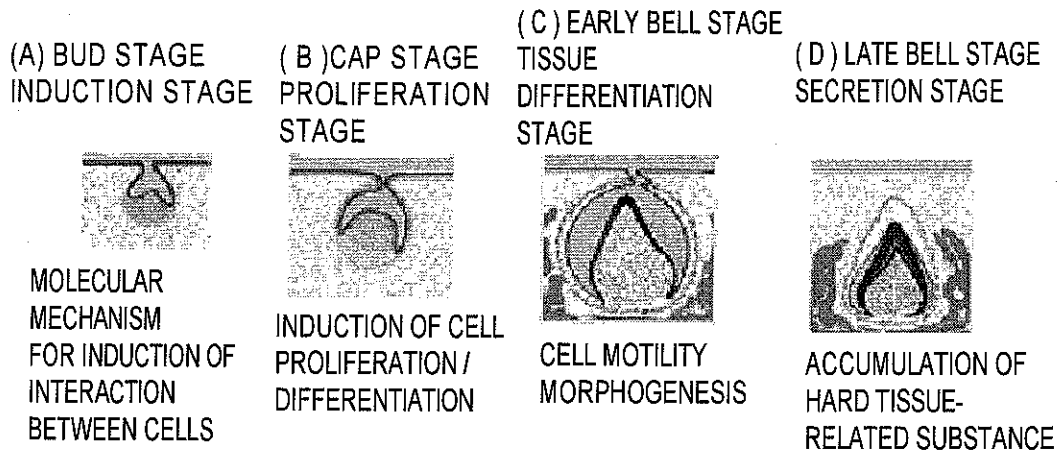


FIG.2A

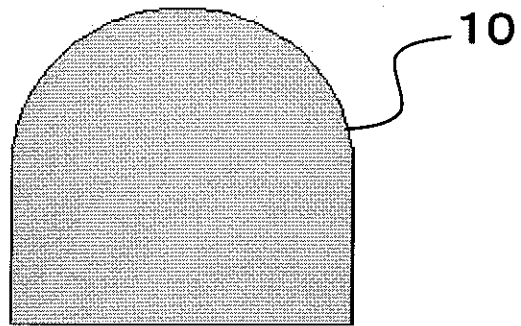


FIG.2B

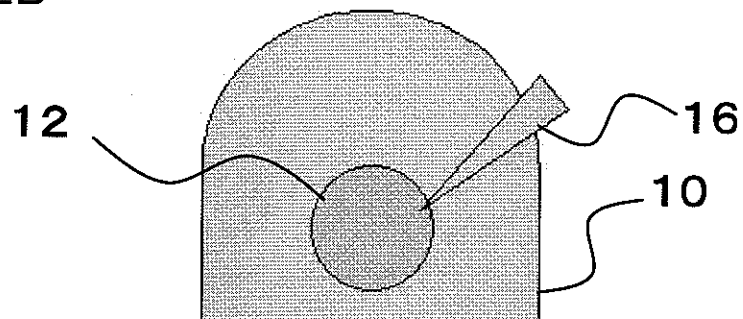


FIG.2C

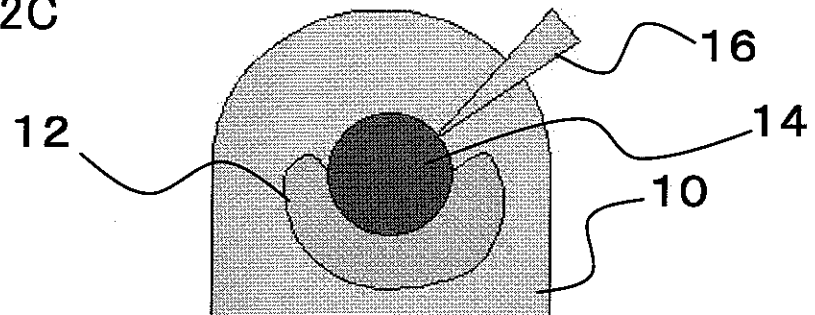


FIG.2D

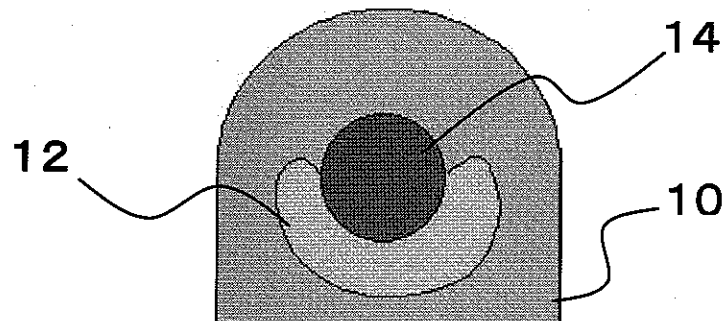
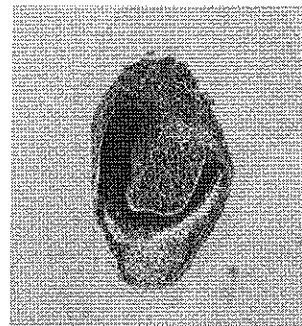
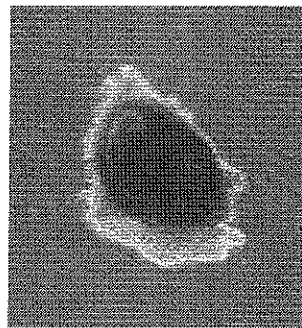


FIG.3

ED 14.5 TOOTH GERM OF INCISOR

MICROSCOPIC IMAGE OF HE STAINING IMAGE OF
EXCISED TOOTH GERM EXCISED TOOTH



TRANSPLANTATION BENEATH SUBRENAL
CAPSULE OF ADULT MOUSE
INDUCTION OF TOOTH GENERATION

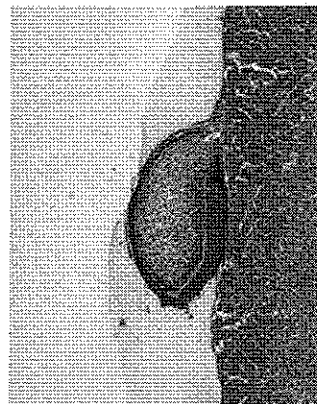


14TH DAY AFTER TRANSPLANTATION

HE STAINING IMAGE OF TOOTH GENERATED
BY TRANSPLANTATION
BENEATH SUBRENAL CAPSULE OF ADULT MOUSE

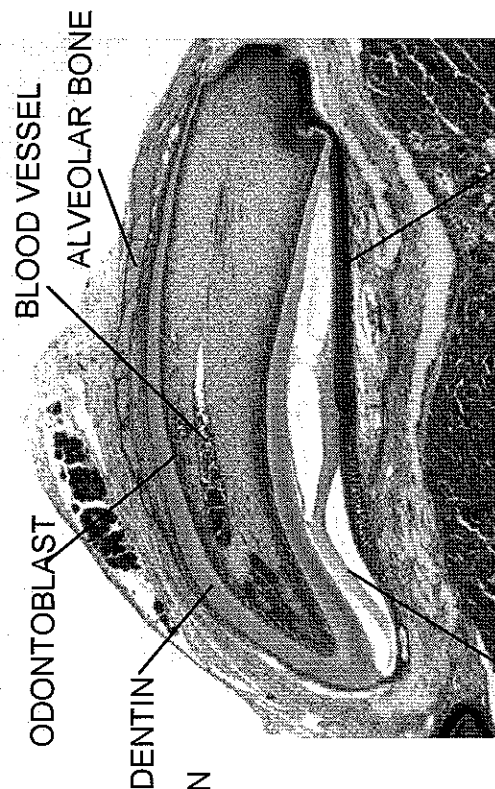
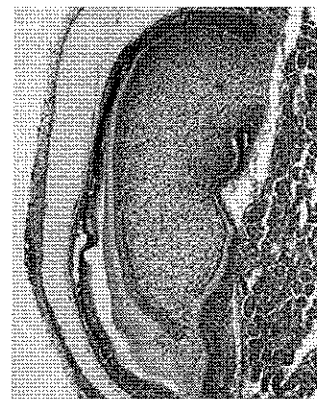
3TH DAY

AFTER TRANSPLANTATION



7TH DAY

AFTER TRANSPLANTATION



ODONTOBLAST

DENTIN

BLOOD VESSEL

ALVEOLAR BONE

ENAMEL (DISSOLVED BY DECALCIFYING)

AMELOBLAST

FIG.4

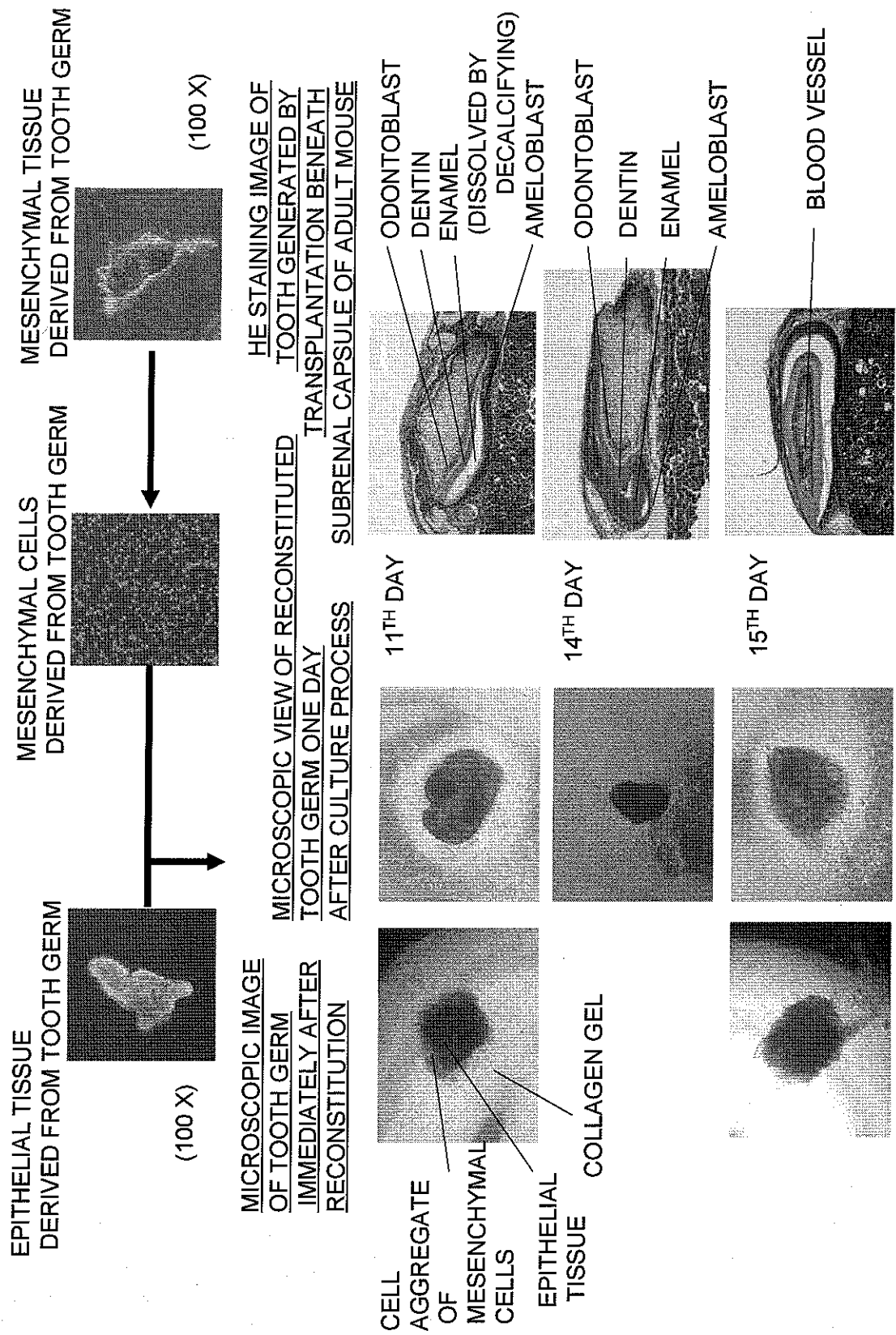
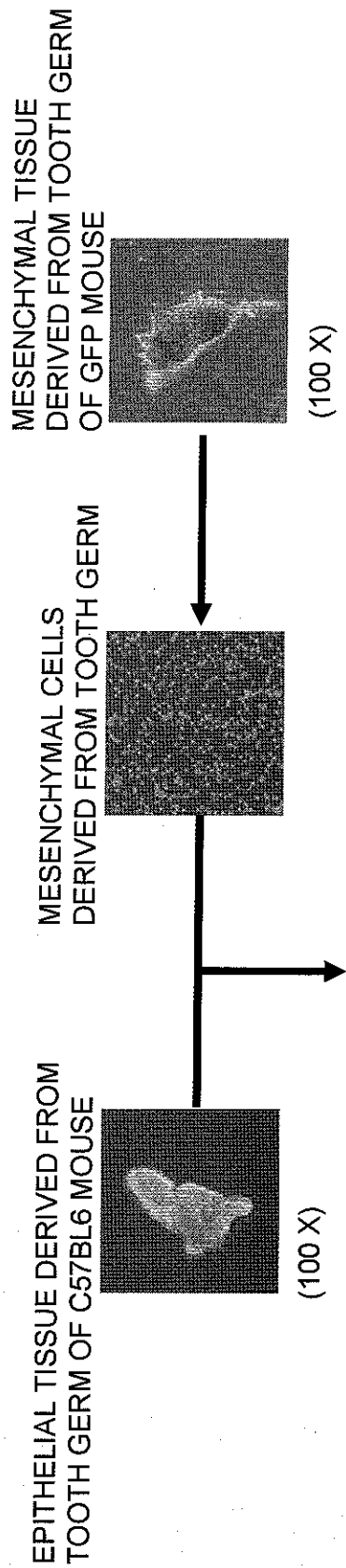


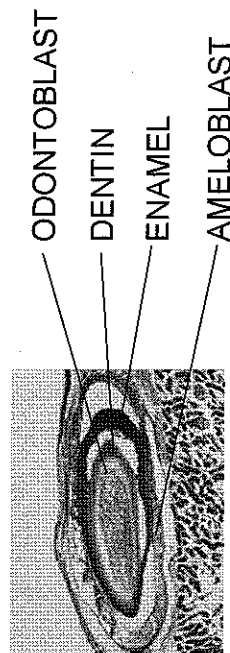
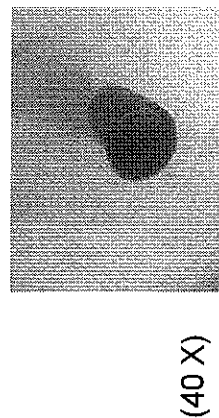
FIG.5



EX VIVO RECONSTITUTION OF TOOTH GERM
TRANSPLANTATION BENEATH SUBRENAL CAPSULE OF ADULT MOUSE

HE STAINING IMAGE OF TOOTH GENERATED
BY TRANSPLANTATION
BENEATH SUBRENAL CAPSULE OF ADULT MOUSE
(14TH DAY AFTER TRANSPLANTATION)

MICROSCOPIC VIEW OF TOOTH GERM
IMMEDIATELY AFTER RECONSTITUTION



FLUORESCENT MICROSCOPE IMAGING

BRIGHT FIELD IMAGE
(DIFFERENTIAL INTERFERENCE)

DARK FIELD IMAGE (GFP DETECTION)

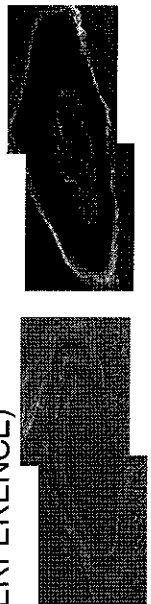


FIG.6

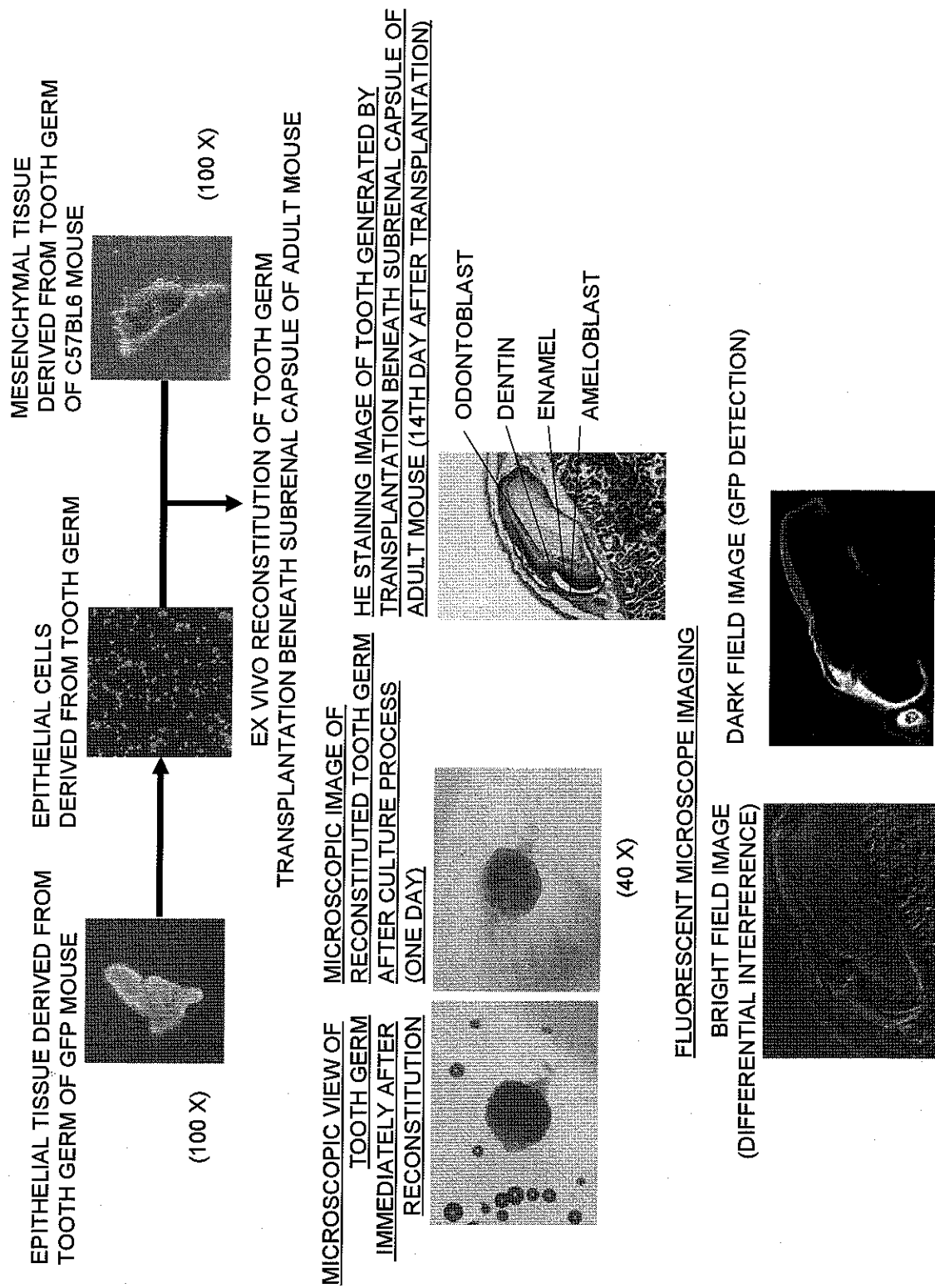


FIG.7

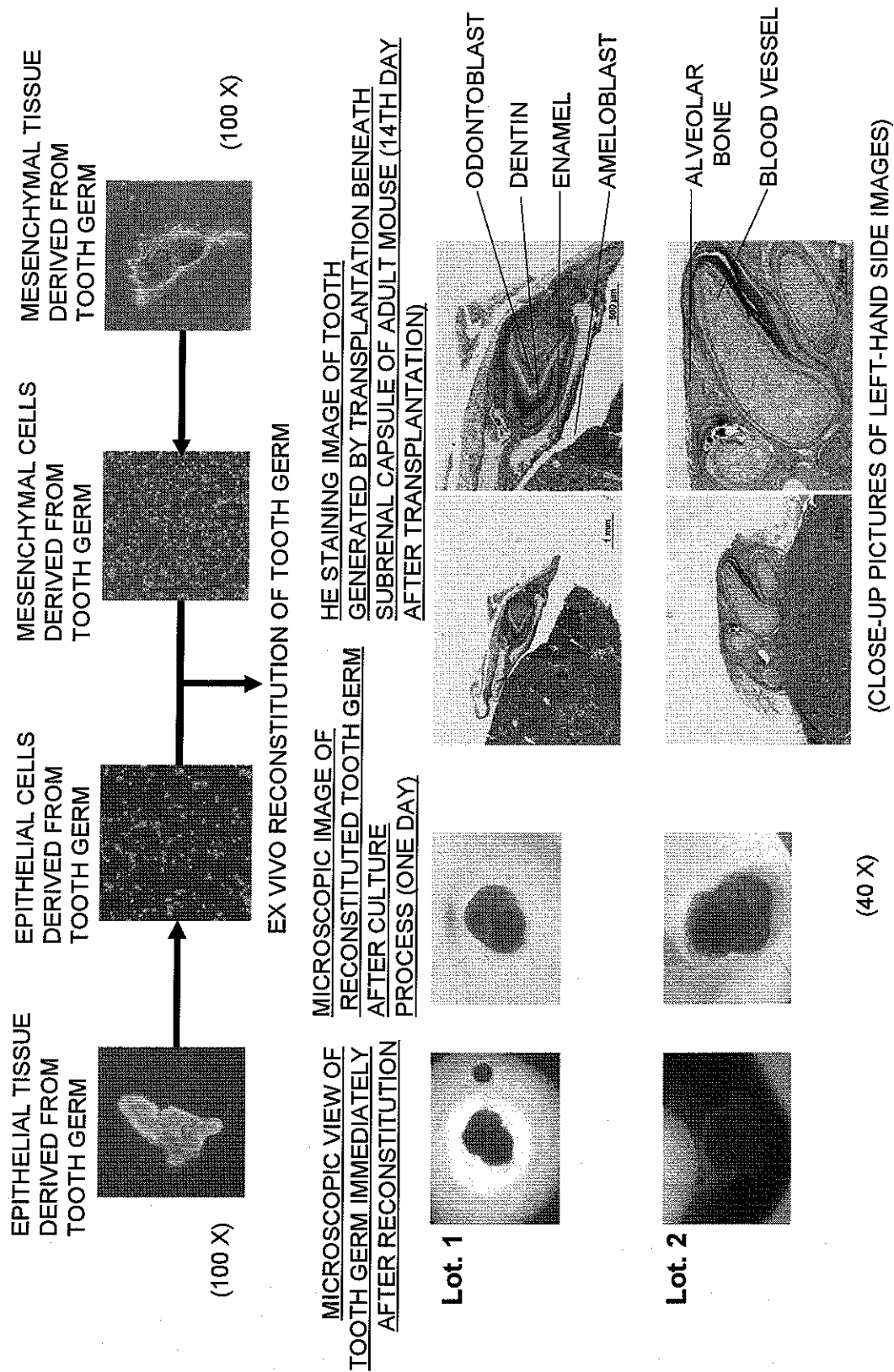


FIG.8

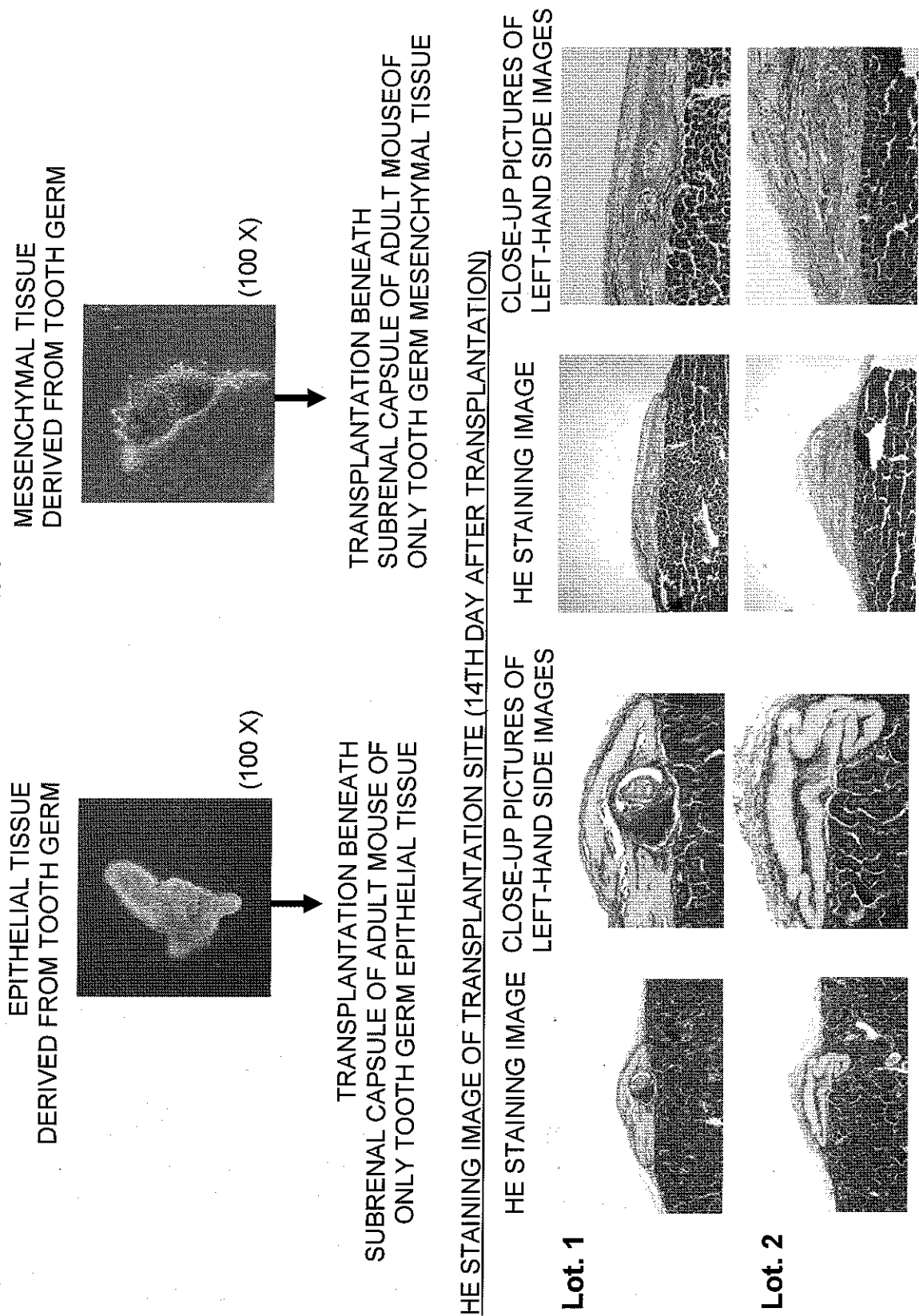


FIG.9

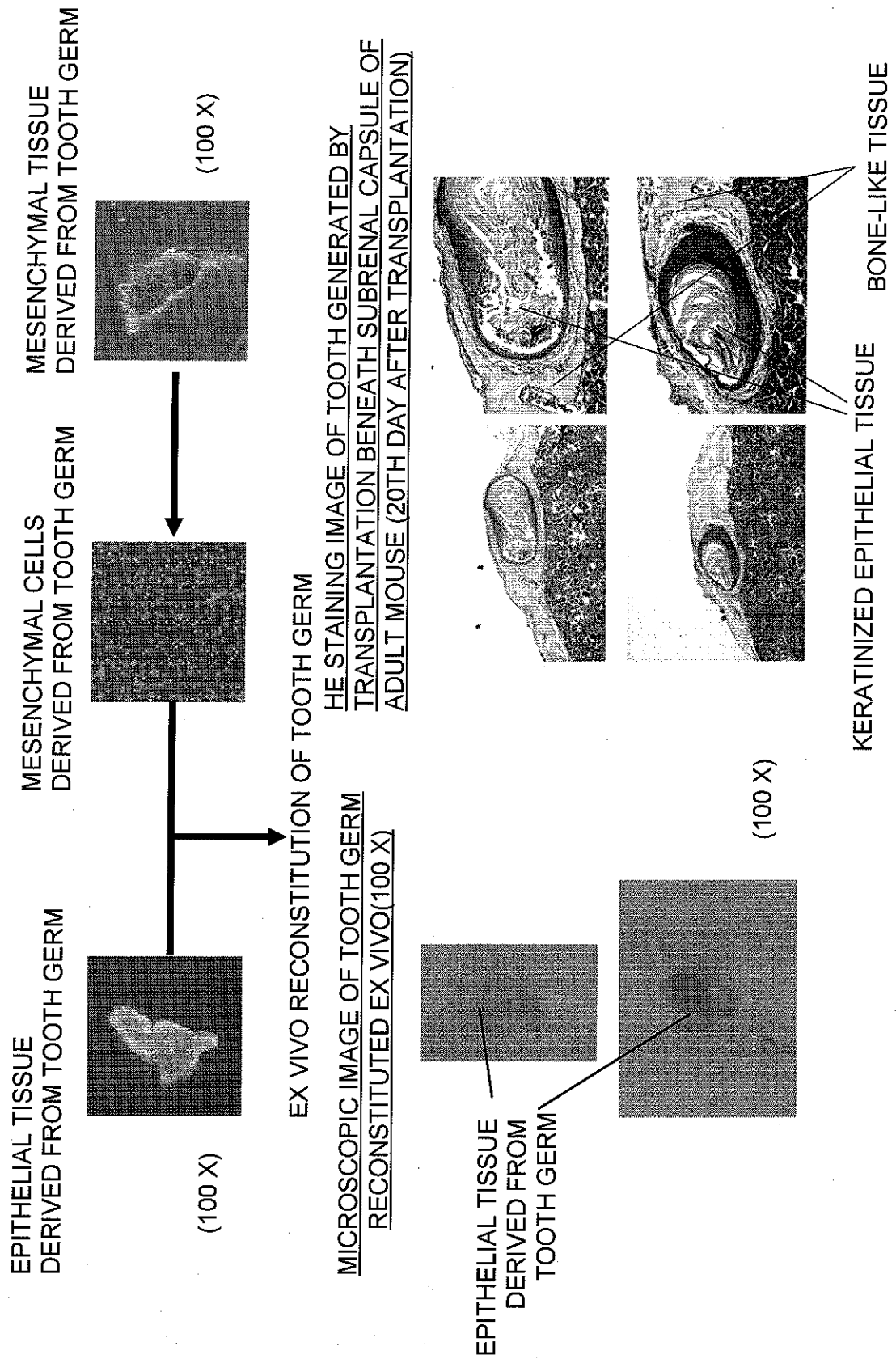
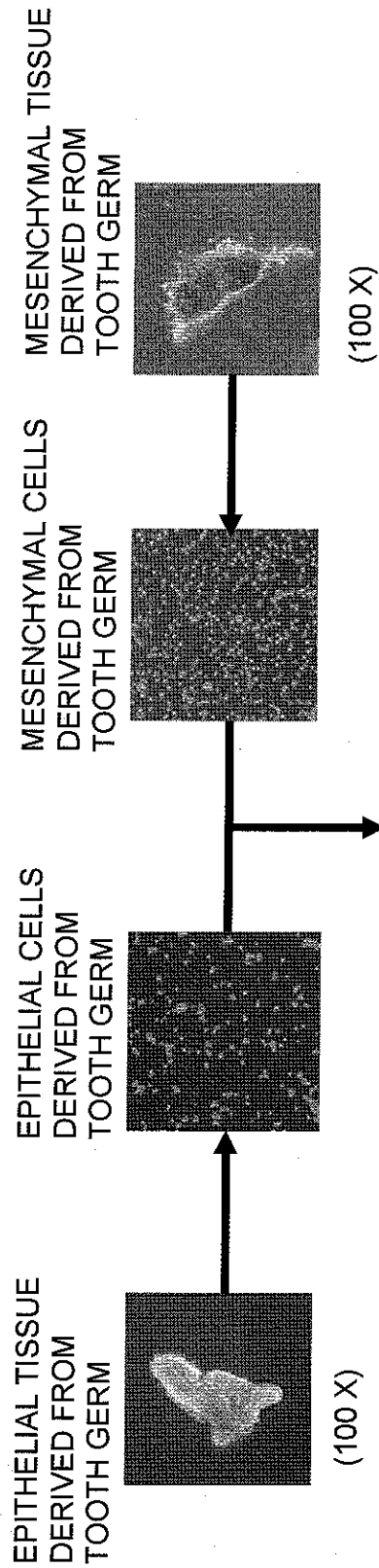


FIG.10



CELLS MIXED AT A RATIO OF 1:1 PRIOR TO RECONSTITUTION TO FORM A CELL AGGREGATE WITHOUT COMPARTMENTALIZATION, AND TRANSPLANTED BENEATH A SUBRENAL CAPSULE.

MICROSCOPIC IMAGE OF RECONSTITUTED TOOTH GERM AFTER CULTURE PROCESS (ONE DAY)

HE STAINING IMAGE OF TOOTH GENERATED BY TRANSPLANTATION BENEATH SUBRENAL CAPSULE OF ADULT MOUSE (14TH DAY AFTER TRANSPLANTATION)

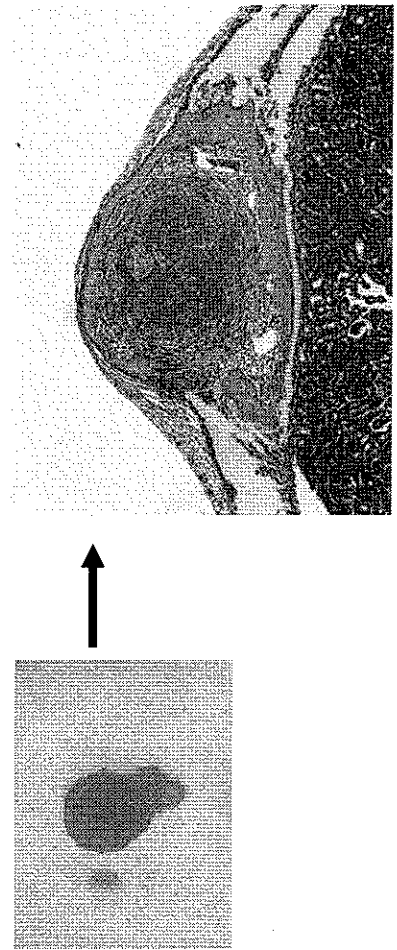
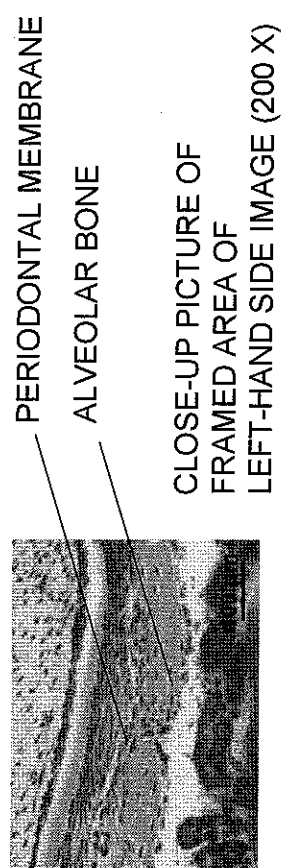
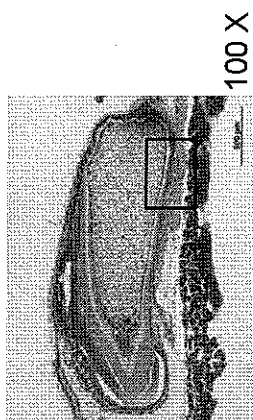
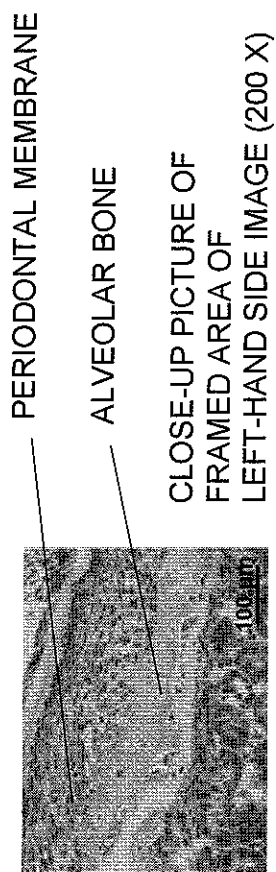
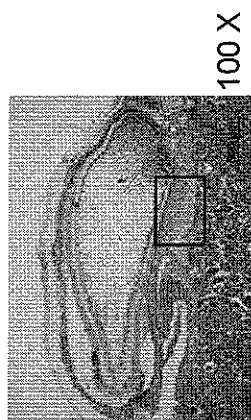


FIG.11

EXAMPLE 1



EXAMPLE 2



EXAMPLE 3

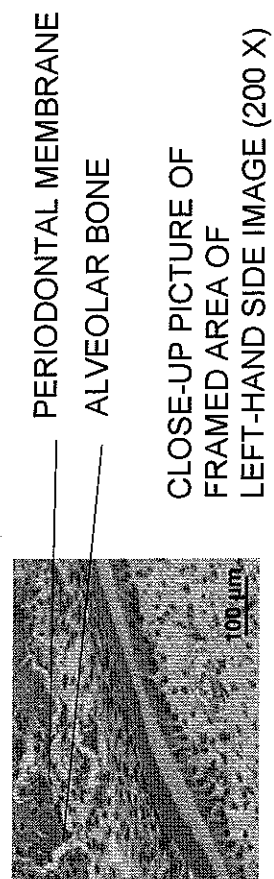
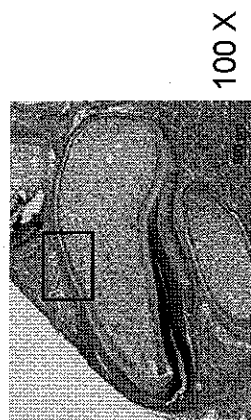


FIG.12

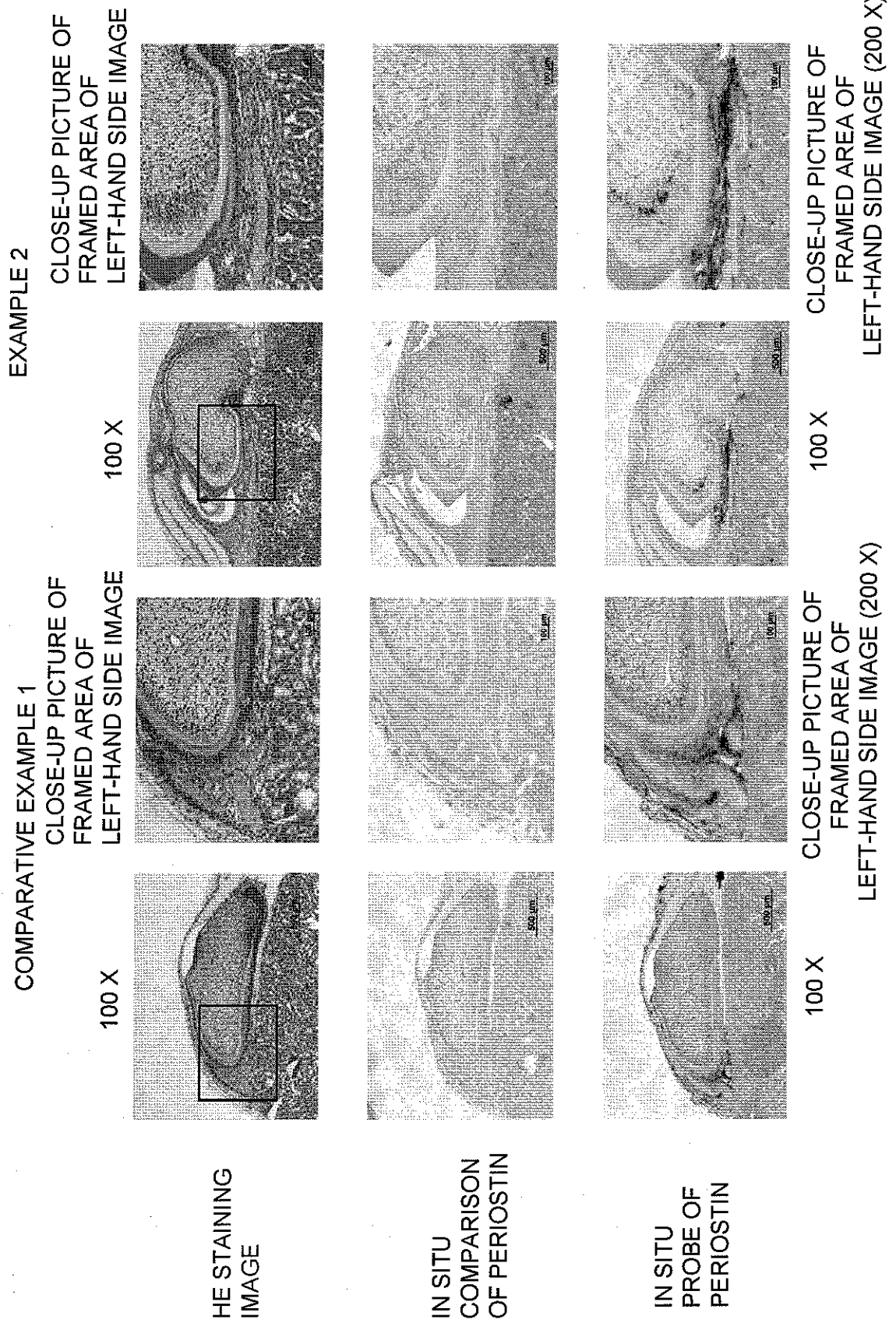


FIG.13

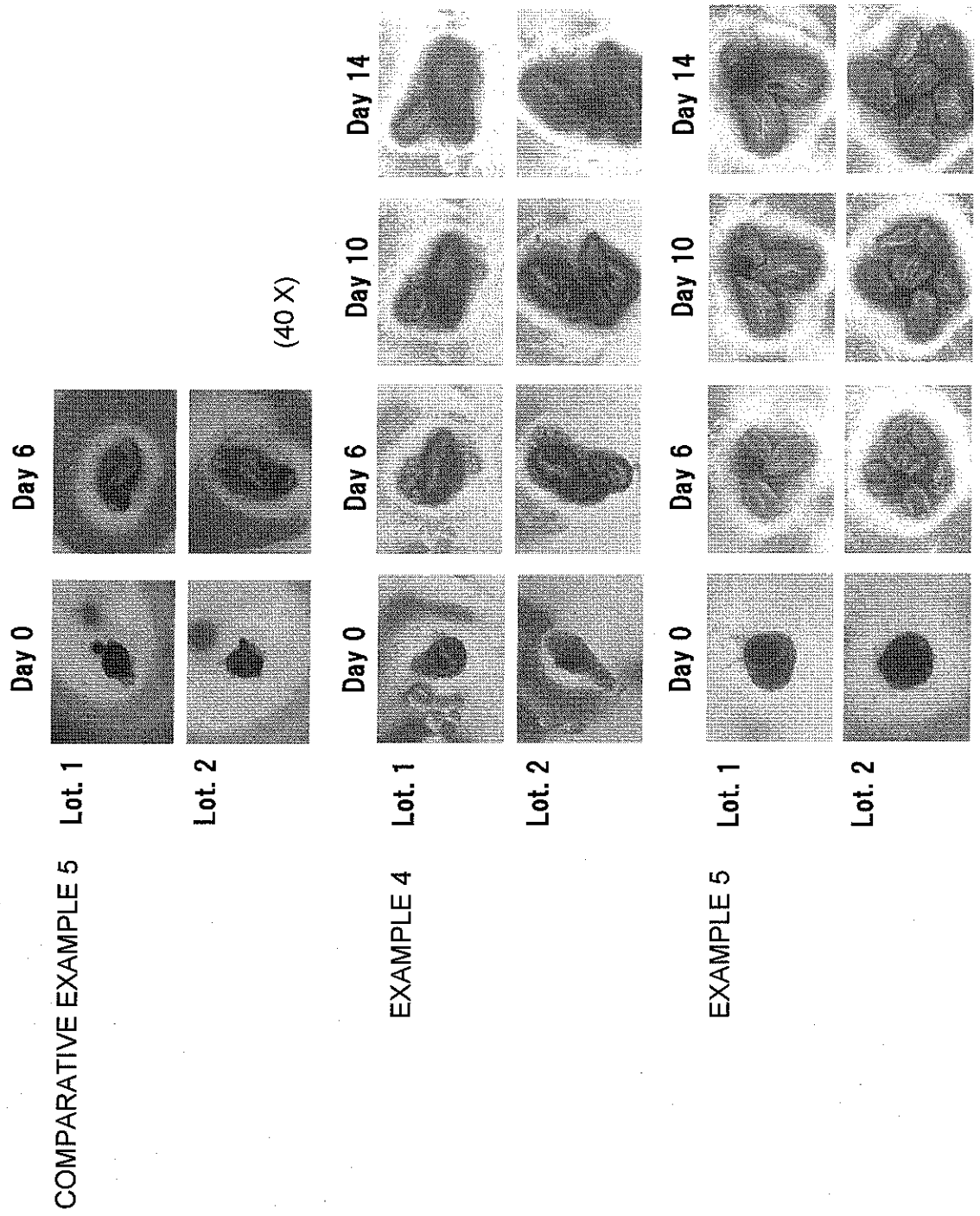


FIG.14

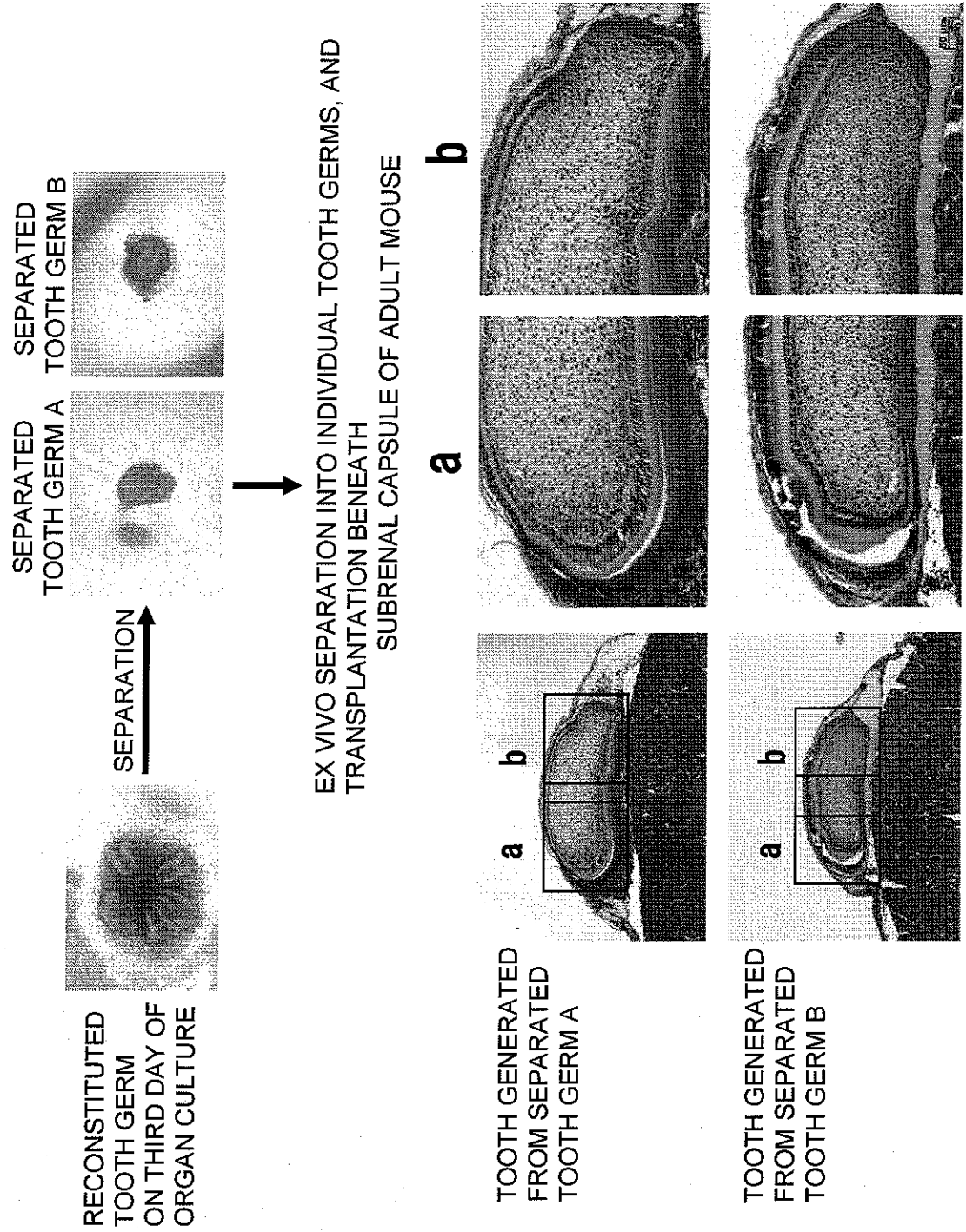


FIG.15A



FIG.15B



FIG.16

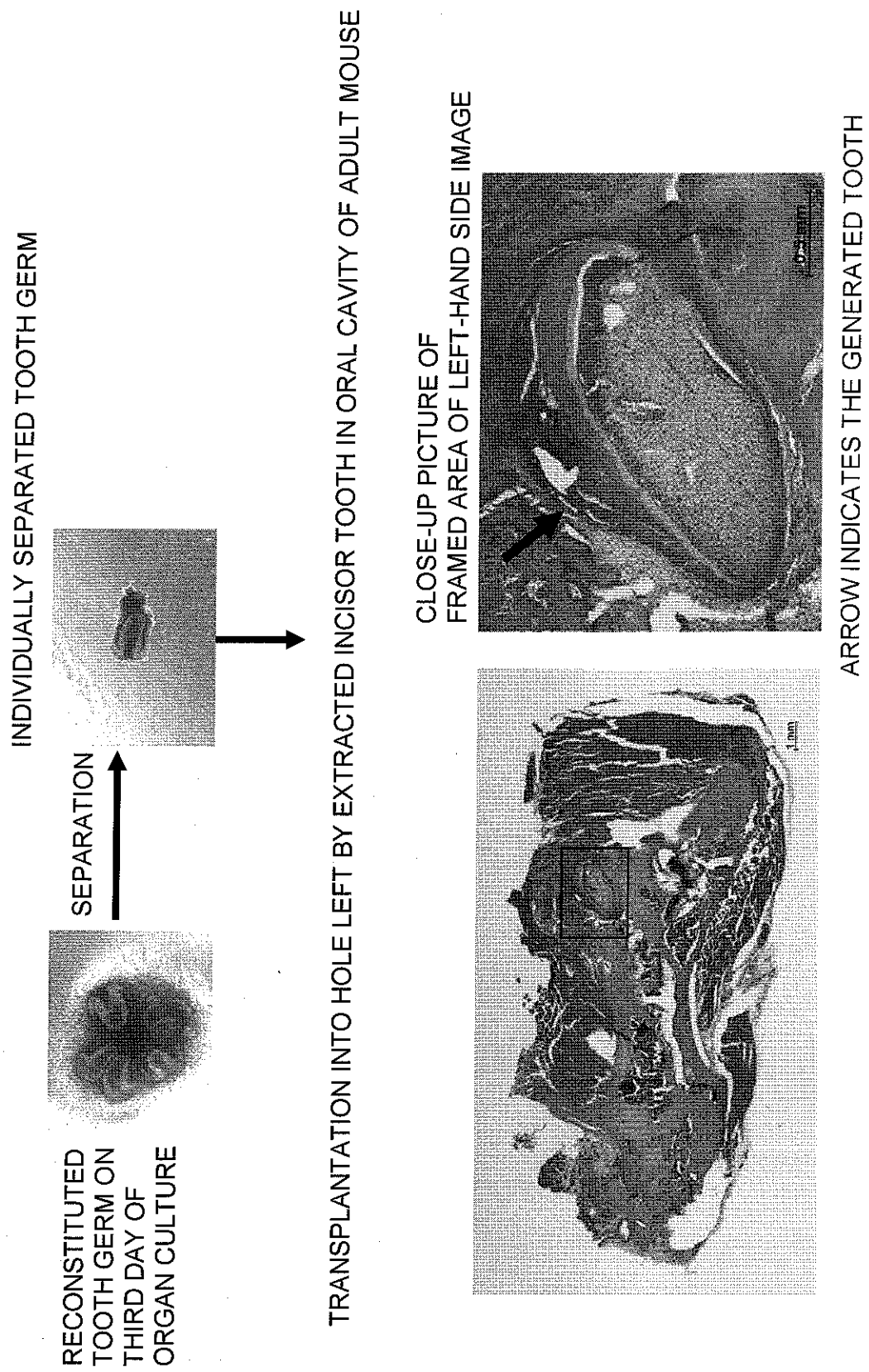
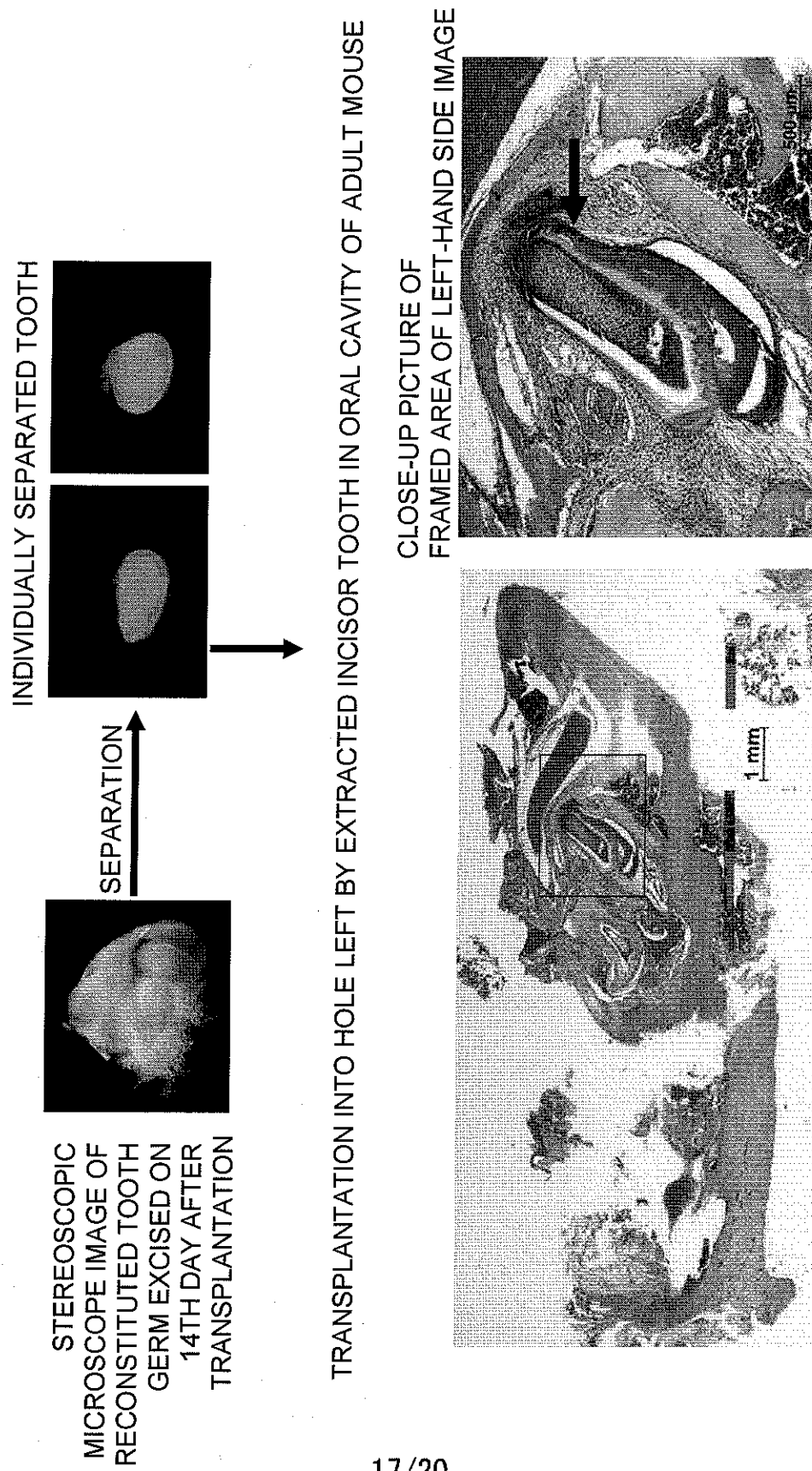
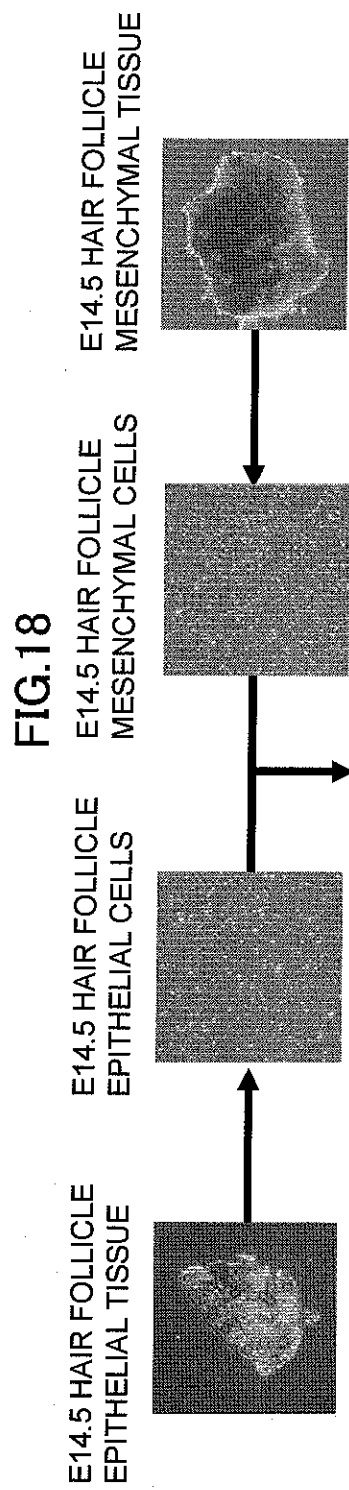


FIG.17





EX VIVO RECONSTITUTION OF HAIR FOLLICLE
TRANSPLANTATION BENEATH SUBRENAL CAPSULE OF ADULT MOUSE

CLOSE-UP PICTURE OF
FRAMED AREA OF LEFT-HAND SIDE IMAGE

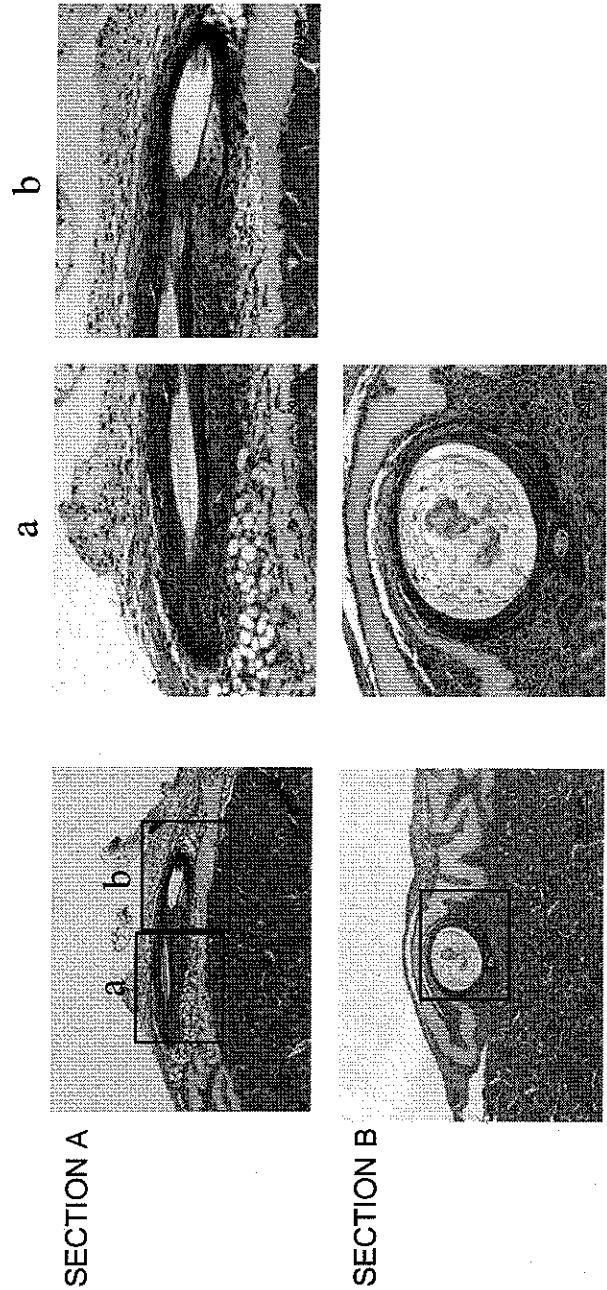


FIG.19

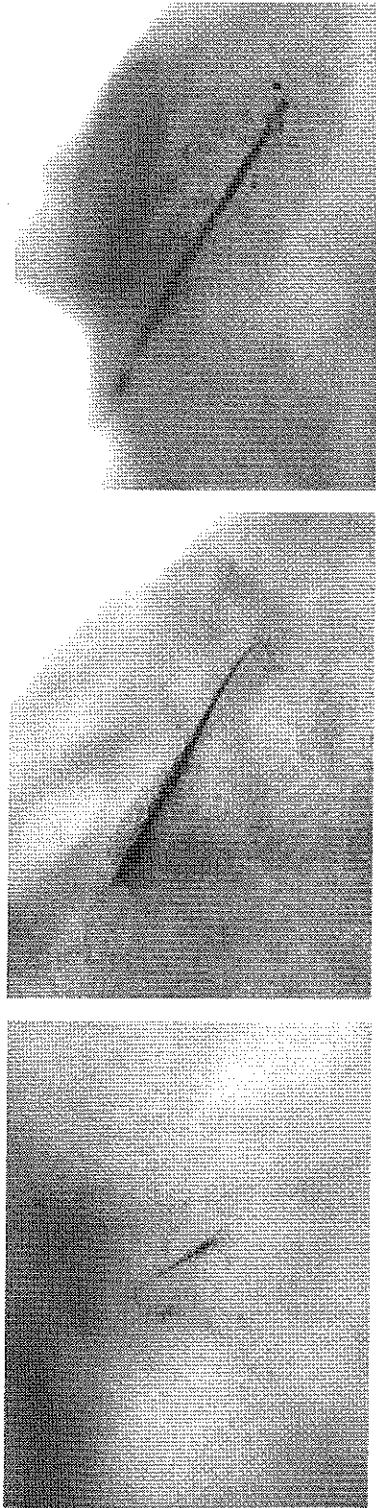
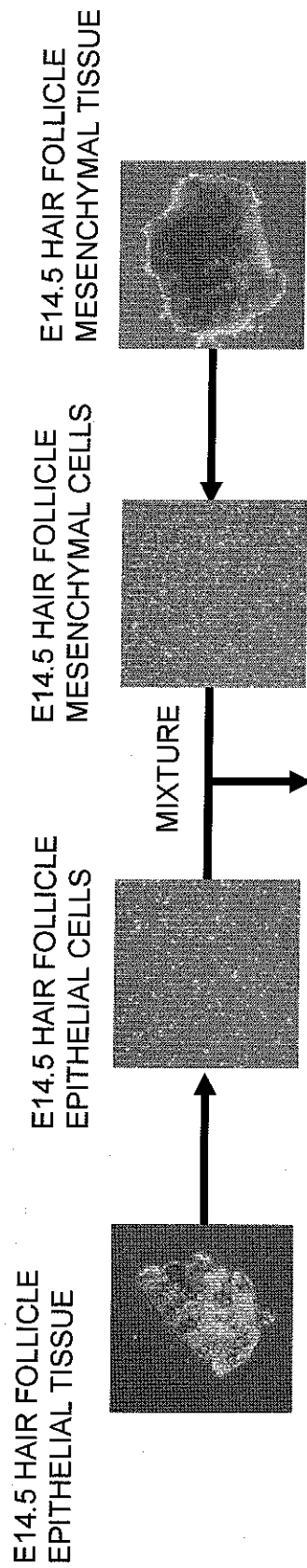


FIG.20



TWO KINDS OF CELLS WERE MIXED EX VIVO TO PREPARE A CELL AGGREGATE
TRANSPLANTATION BENEATH SUBRENAL CAPSULE OF ADULT MOUSE

