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(54) **Title:** BIOCOMPATIBLE IMPLANTS COMPRISING ENGINEERED ENDOTHELIAL CELLS

FIG. 1A

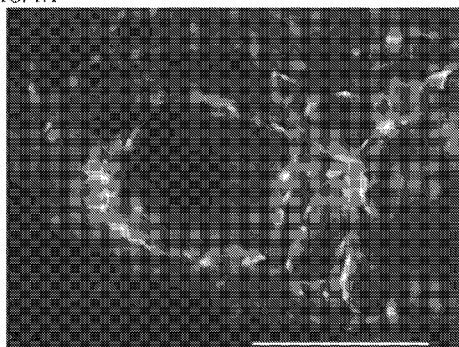


FIG. 1B

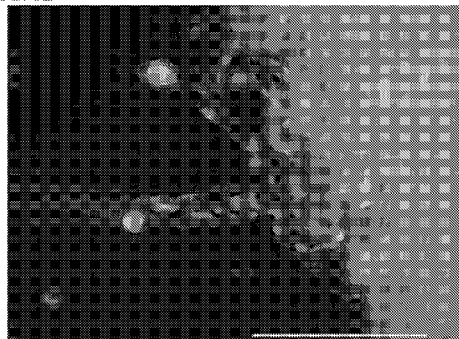


FIG. 1

(57) **Abstract:** The present invention involves implants suitable for surgical implantation into subjects. In some embodiments the implants comprise a biocompatible scaffold material and blood vessels containing engineered endothelial cells - such as E4ORF1+ engineered endothelial cells or engineered endothelial cells that express certain marker molecules. The present invention provides implants, methods for preparing such implants, and methods of treatment utilizing such implants.



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Declarations under Rule 4.17:

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- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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