

Culture of hMADS cells

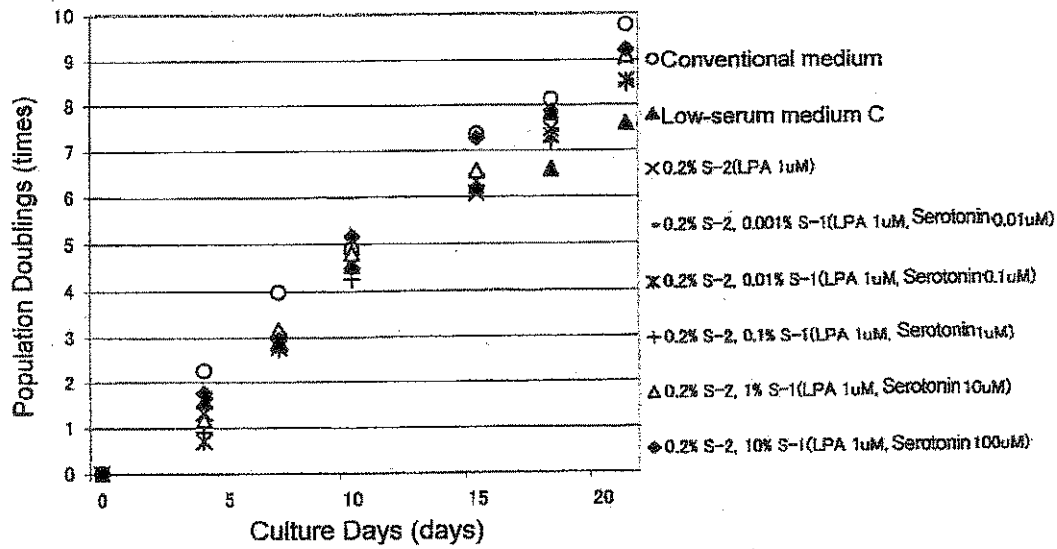


Fig.1

Culture of hMADS cells

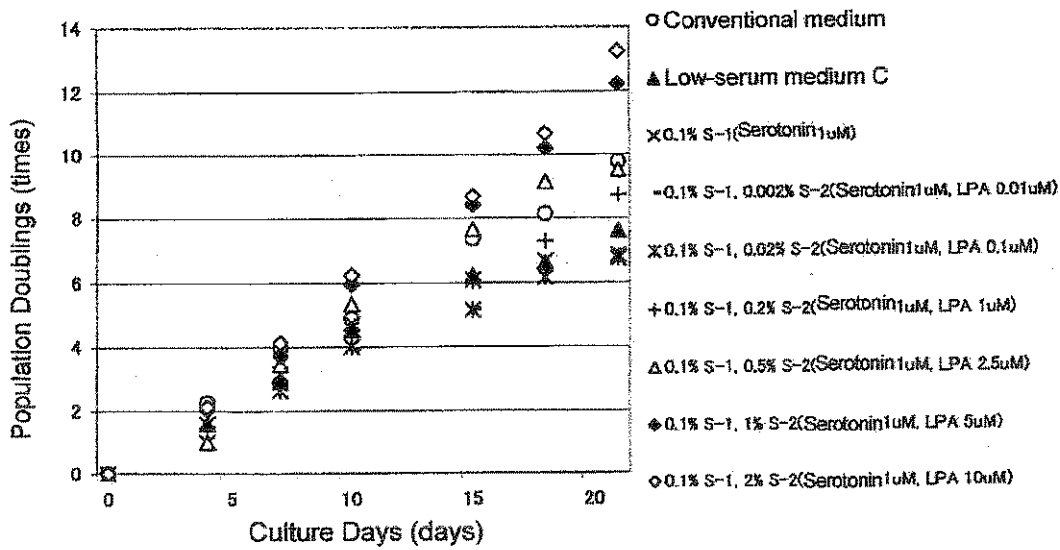


Fig.2

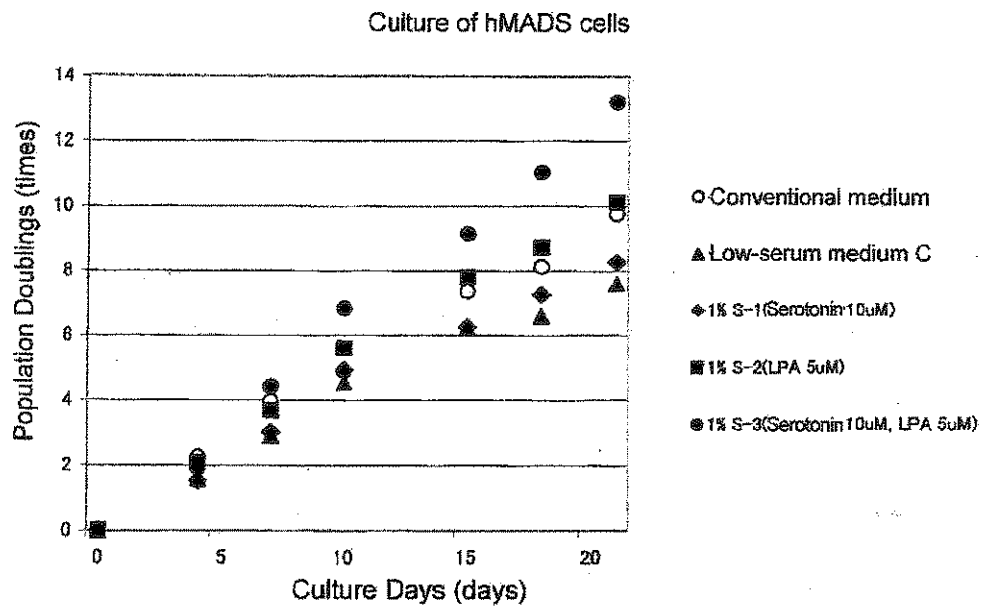
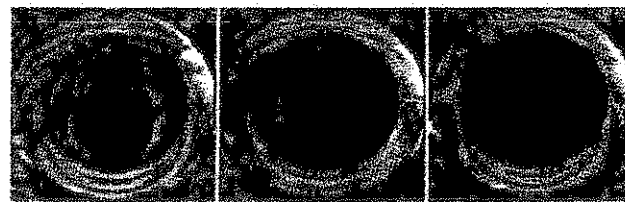


Fig.3

(A)

Adipogenic Differentiation

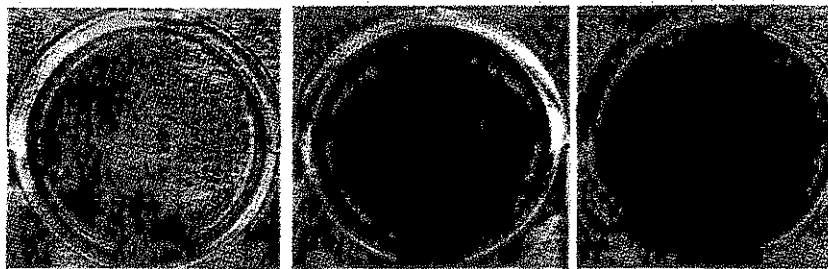


Un-induction

Conventional
mediumhMADS growth
medium

(B)

Osteogenic differentiation



Un-induction

Conventional
mediumhMADS growth
medium

Differentiation of hMADS cells into adipocytes and osteocytes

Fig.4

Culture of hMSCs cells

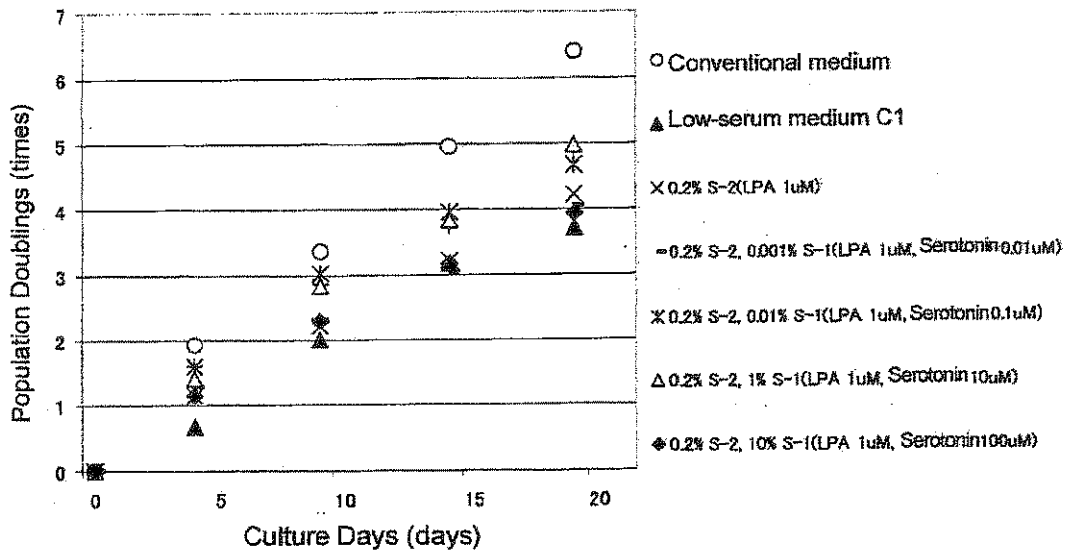


Fig.5

Culture of hMSCs cells

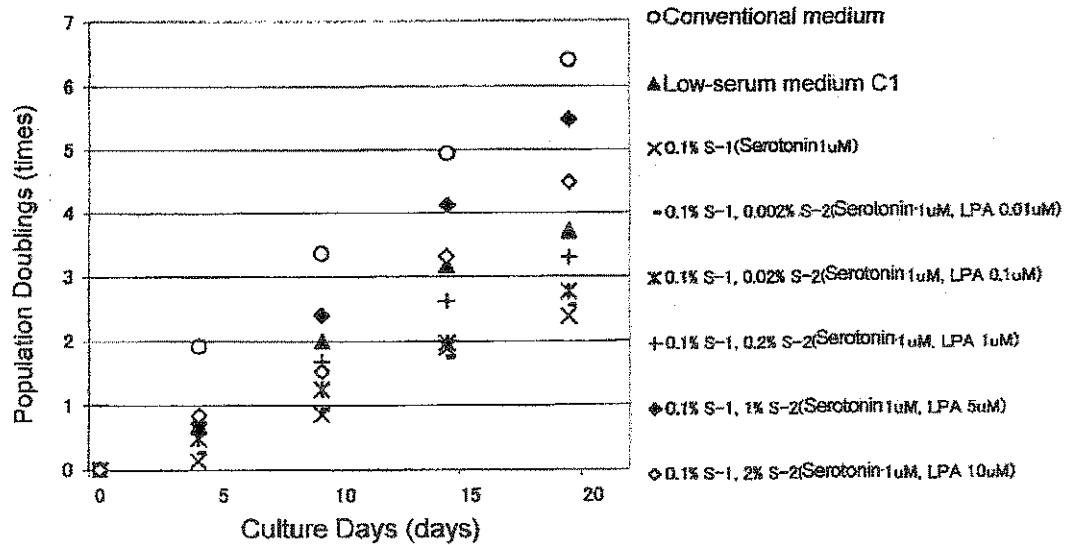


Fig.6

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Culture of hMSCs cells

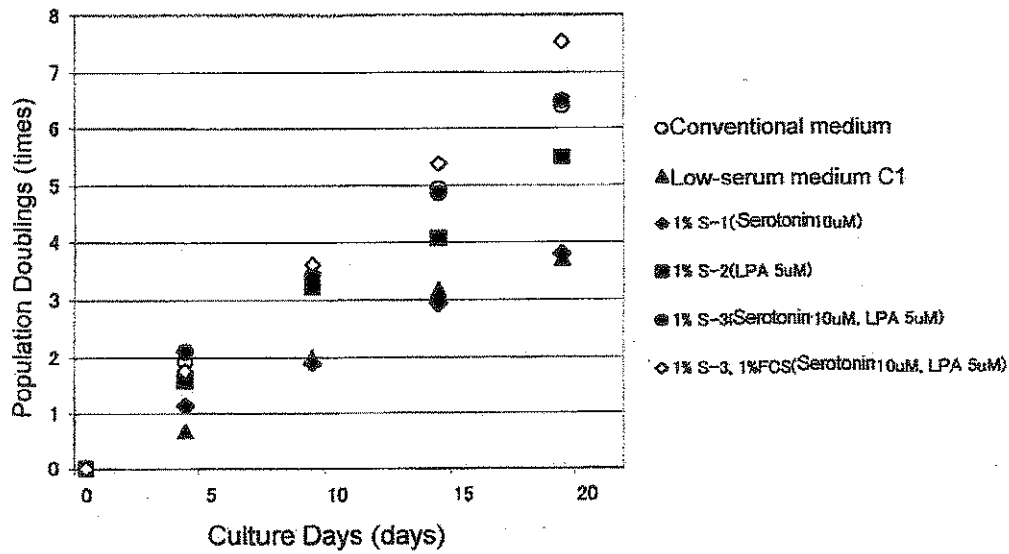


Fig.7

Culture of hMSCs cells

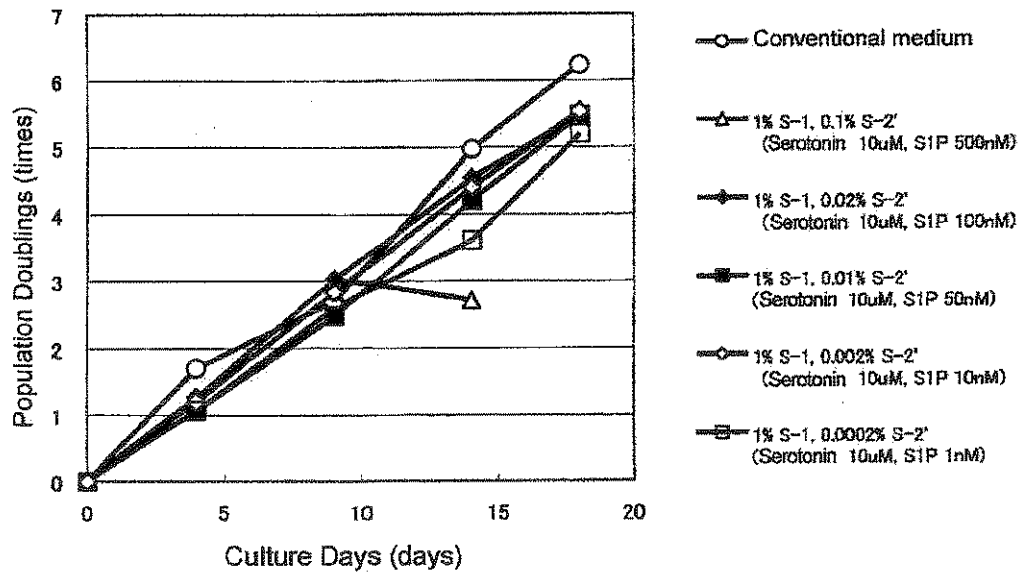
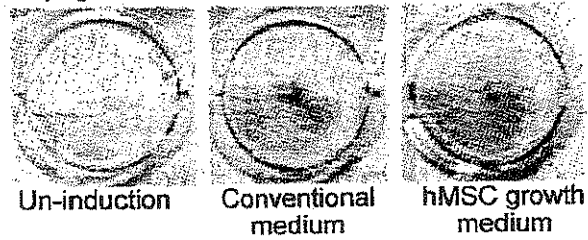


Fig.8

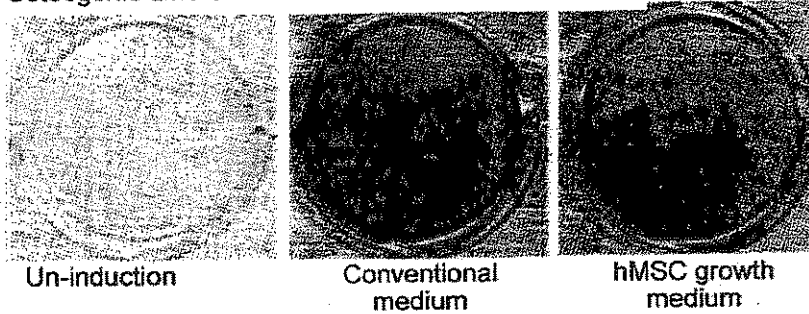
(A)

Adipogenic Differentiation



(B)

Osteogenic differentiation



Differentiation of hMSC cells into adipocytes and osteocytes

Fig.9

Culture of human fibroblasts

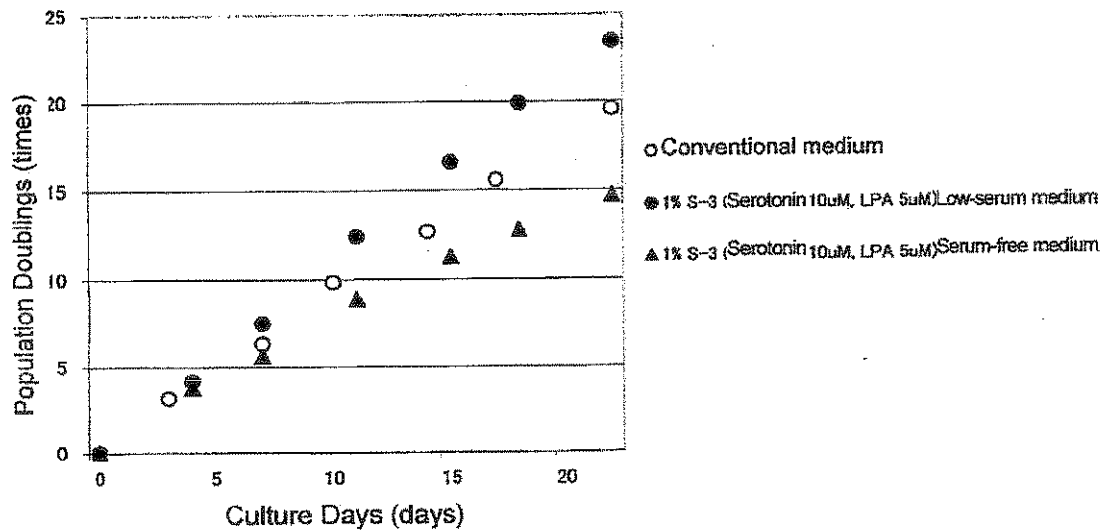


Fig.10

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Culture of hMSCs (FCS1)

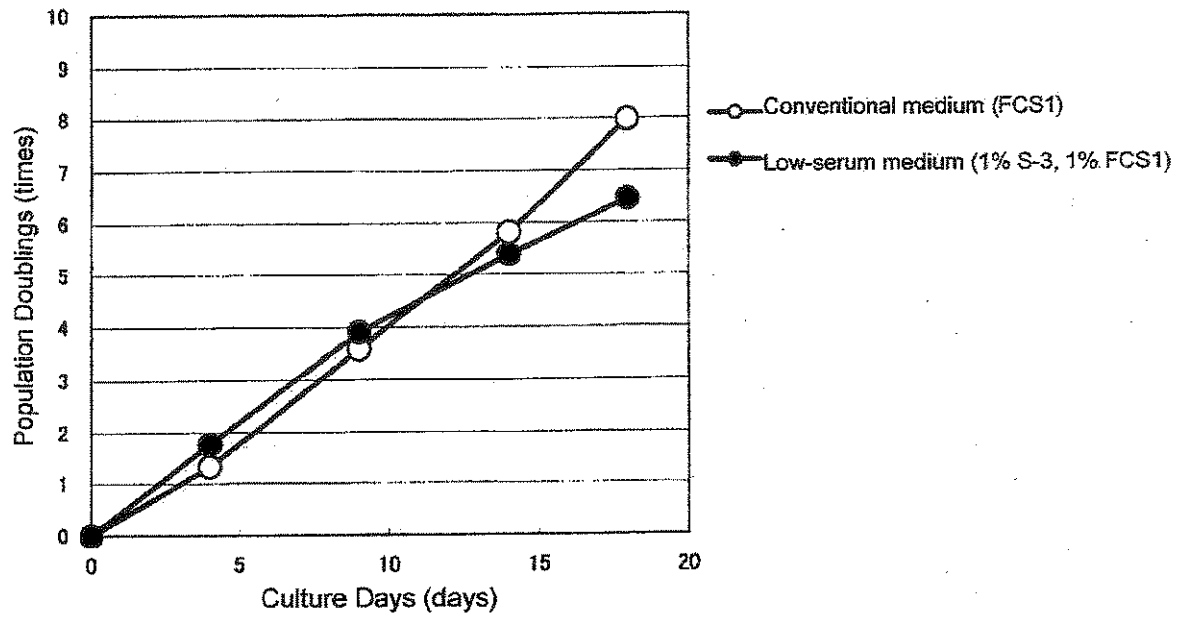


Fig.11

Culture of hMSCs (FCS2)

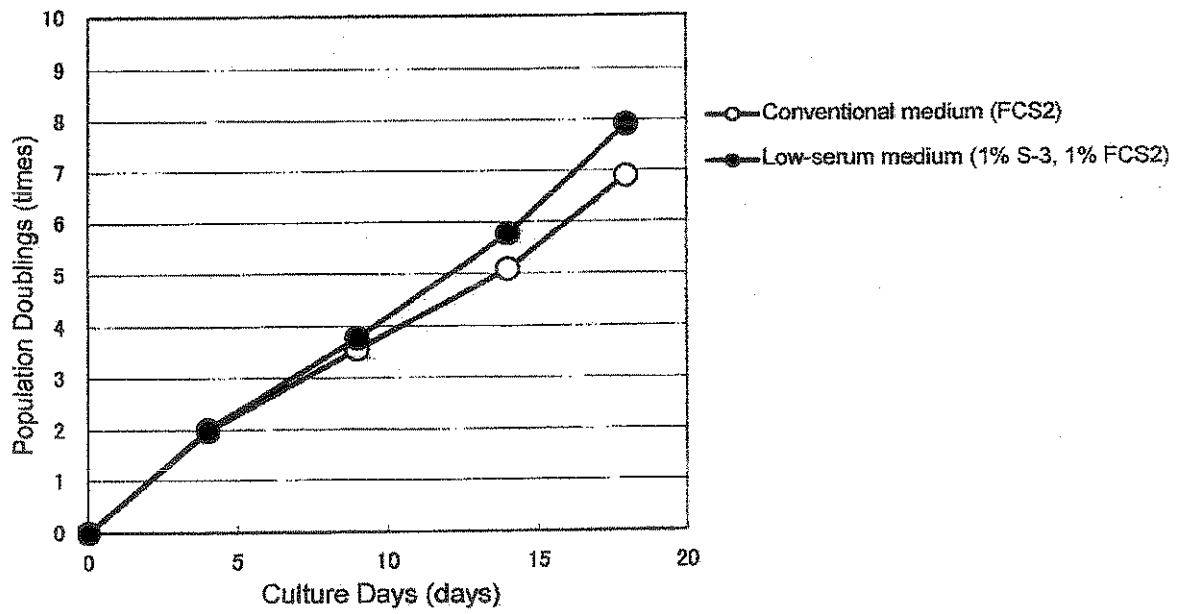


Fig.12

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Culture of hMSCs (FCS3)

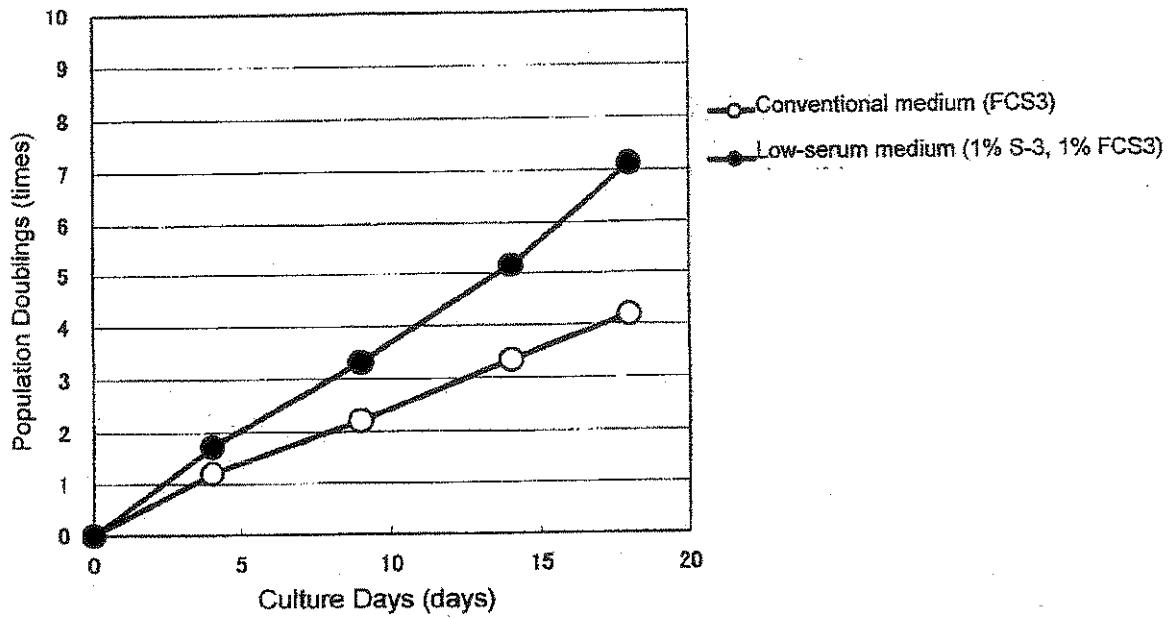


Fig.13

Culture of hMSCs (FCS4)

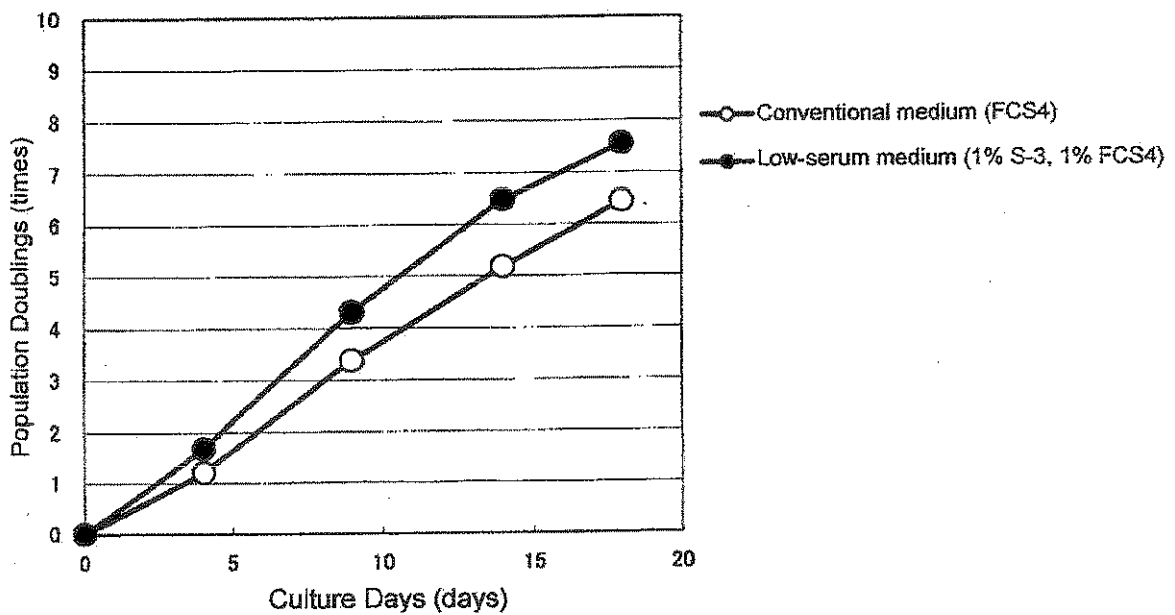
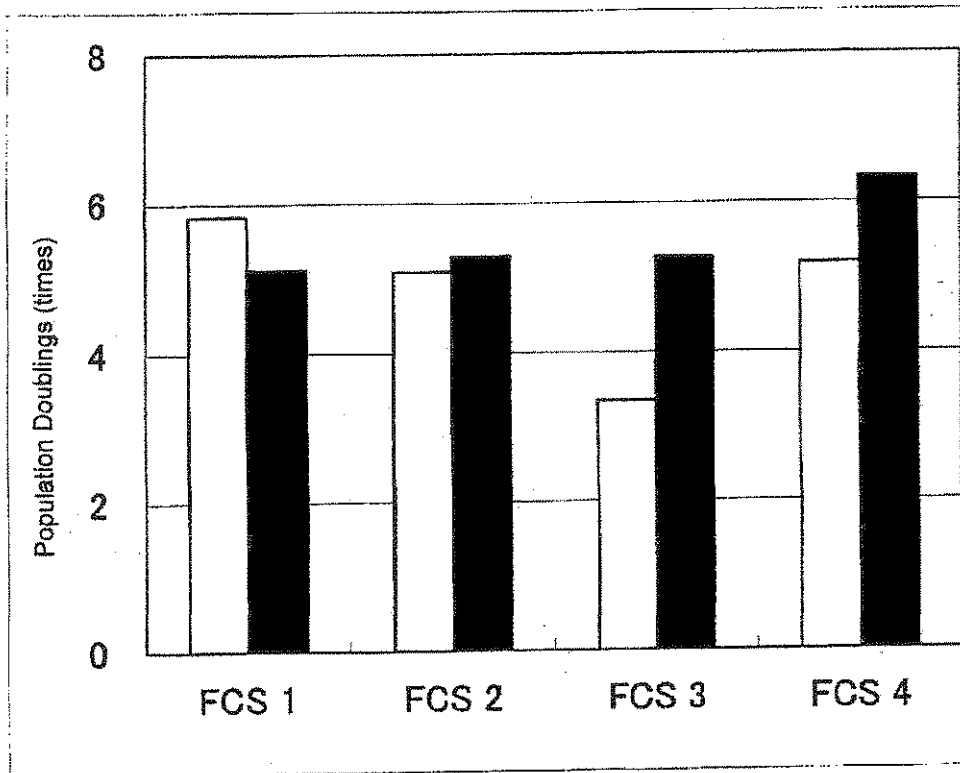


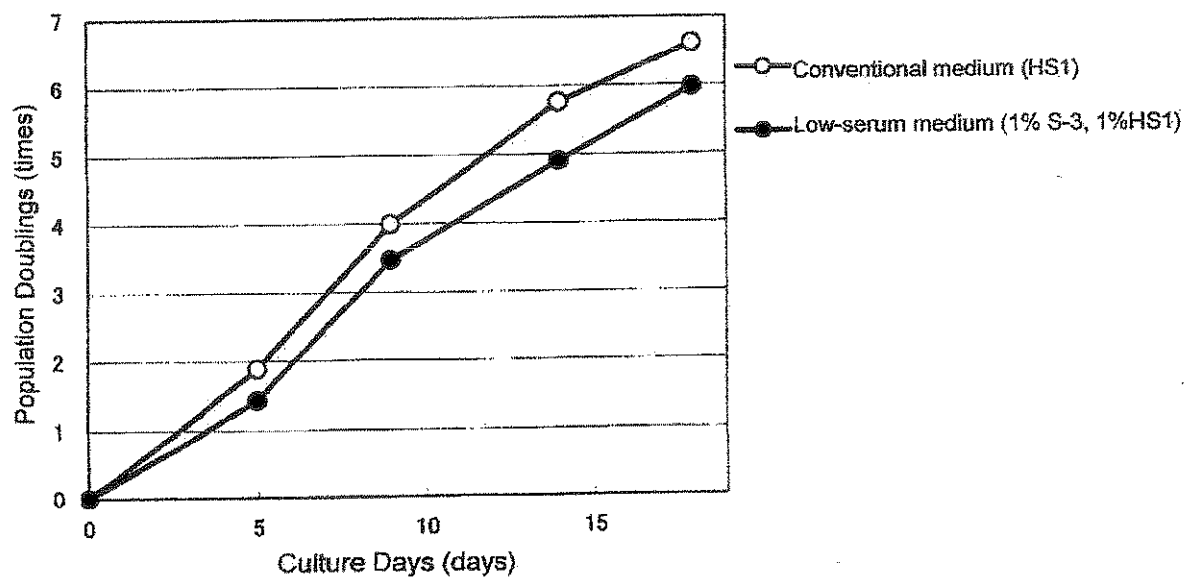
Fig.14



□ Conventional medium ■ Low-serum medium (1% S-3, 1% FCS)
Culture for 14 days

Fig.15

Culture of hMSCs (HS1)

**Fig.16**

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Culture of hMSCs (HS2)

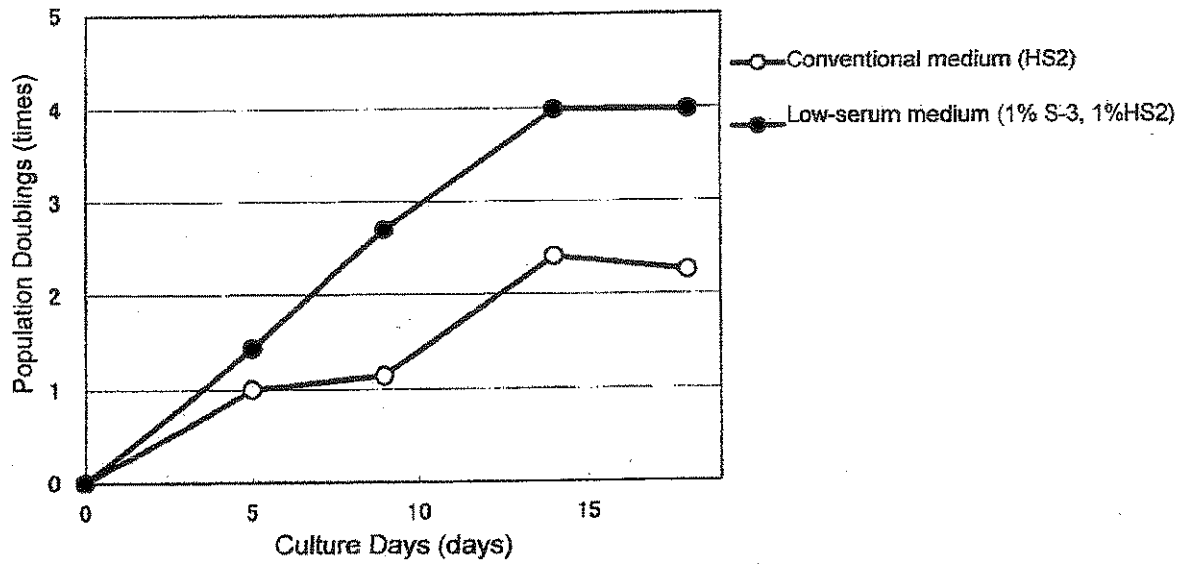


Fig.17

Culture of hMSCs

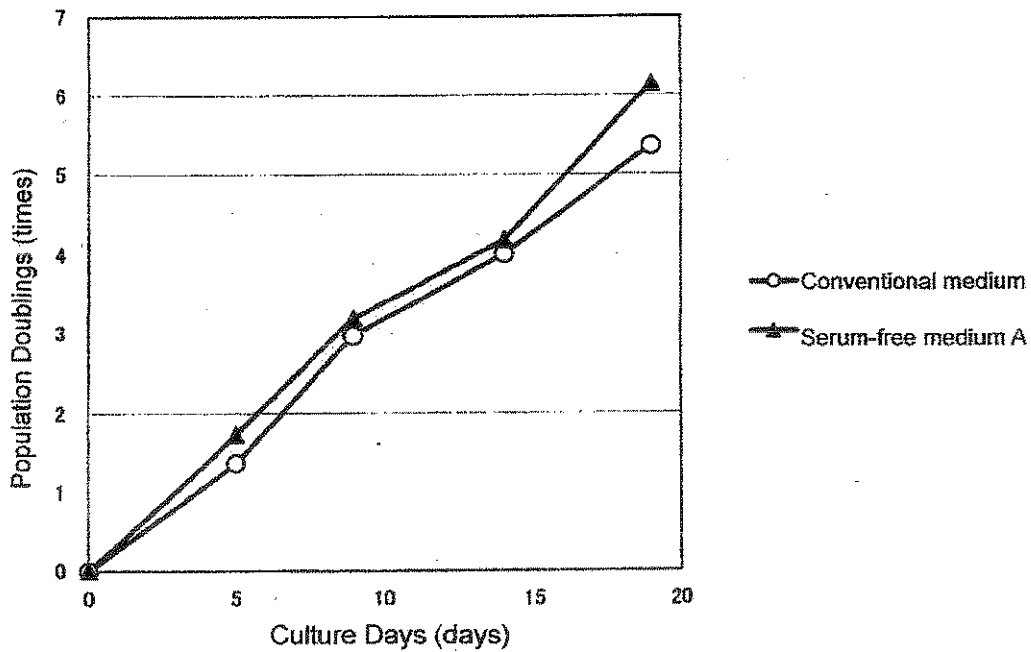


Fig.18

(A)

Adipogenic differentiation



Un-induction



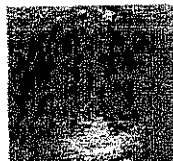
Conventional medium



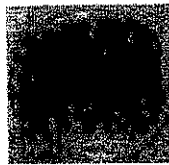
Serum-free medium A

(B)

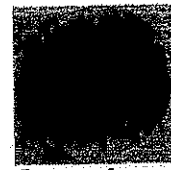
Osteogenic differentiation



Un-induction



Conventional medium



Serum-free medium A

Differentiation of hMSCs into adipocytes and osteocytes

Fig.19

Culture of hMSCs

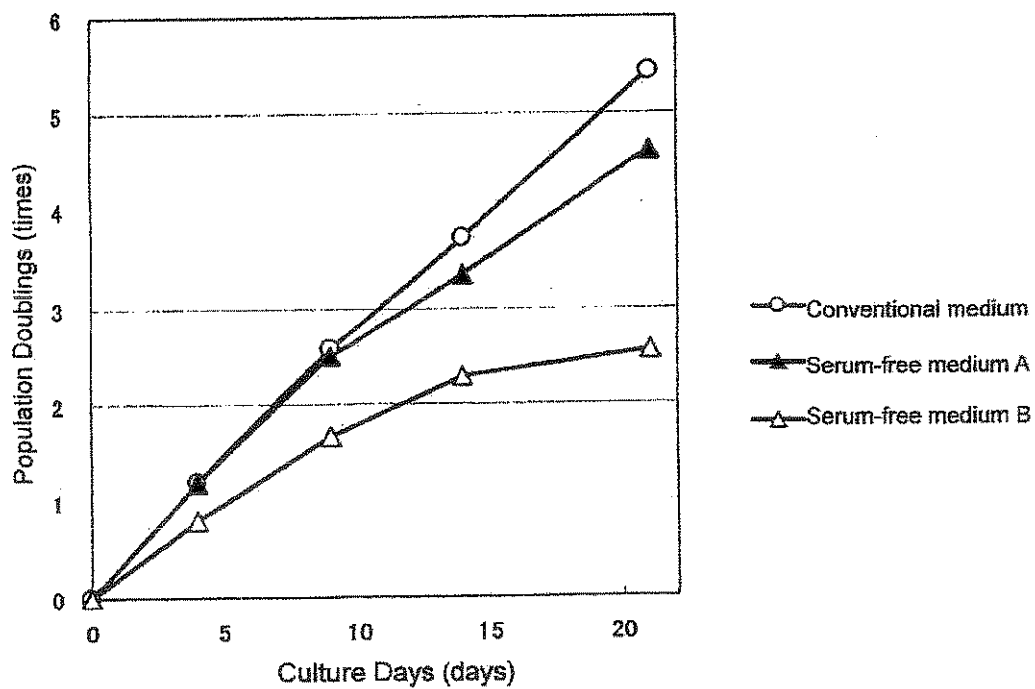


Fig.20

(A)

Adipogenic differentiation



Un-induction



Conventional medium



Serum-free medium A



Serum-free medium B

(B)

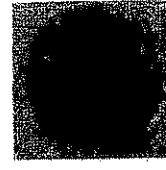
Osteogenic differentiation



Un-induction



Conventional medium



Serum-free medium A



Serum-free medium B

Differentiation of hMSCs into adipocytes and osteocytes

Fig.21