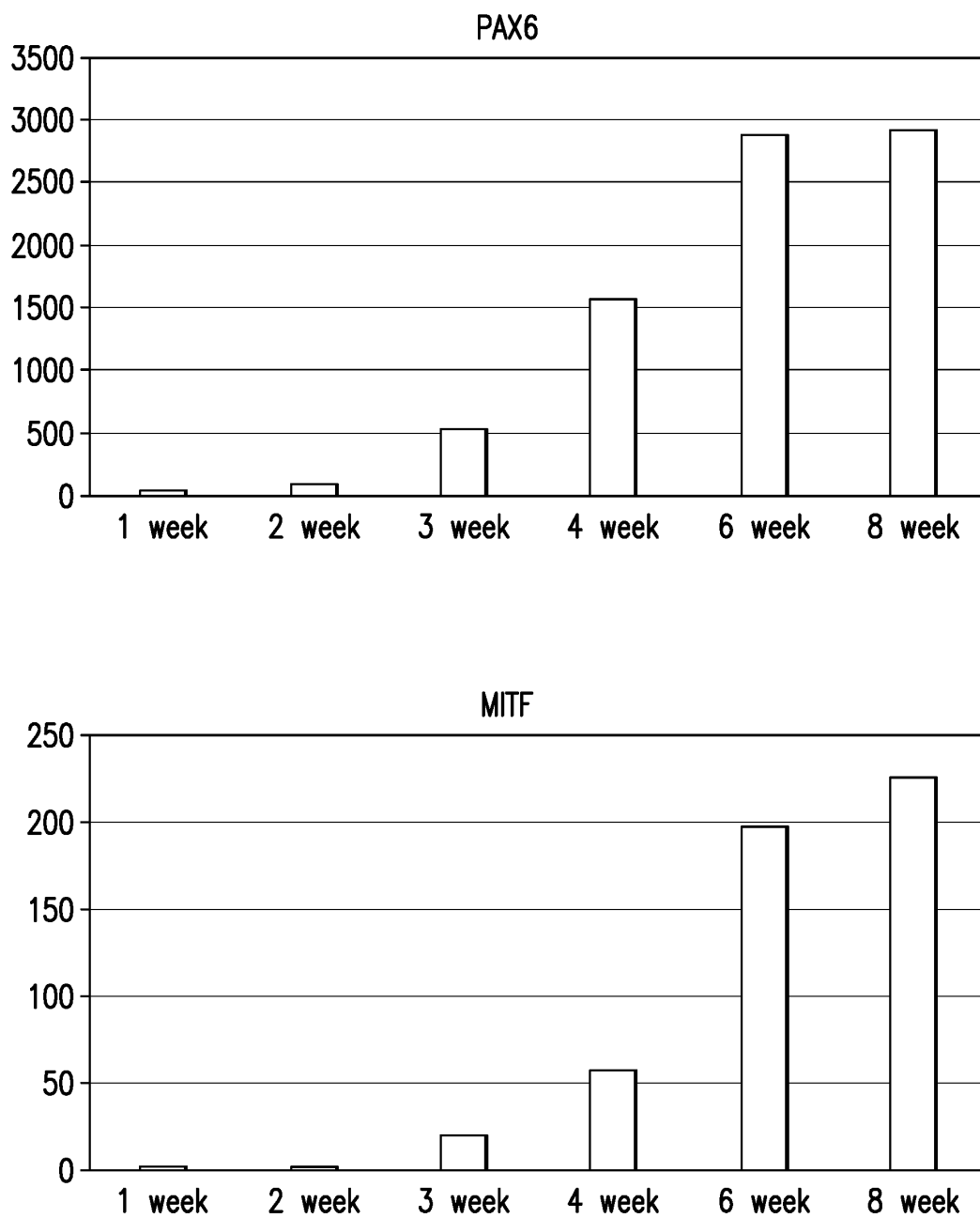


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**FIG.1**

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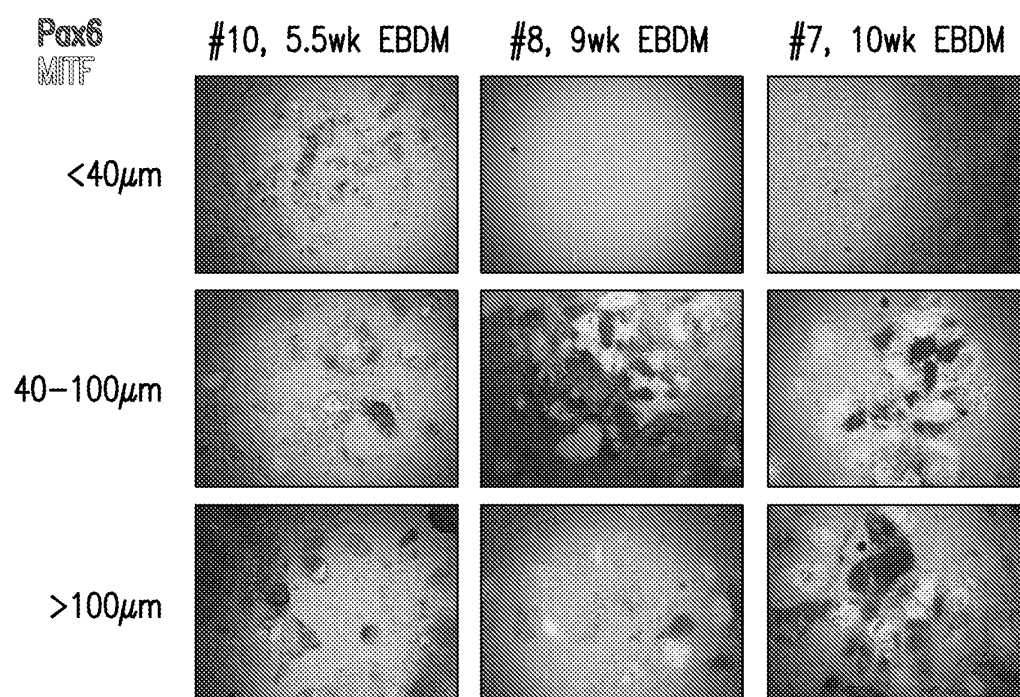


FIG.2

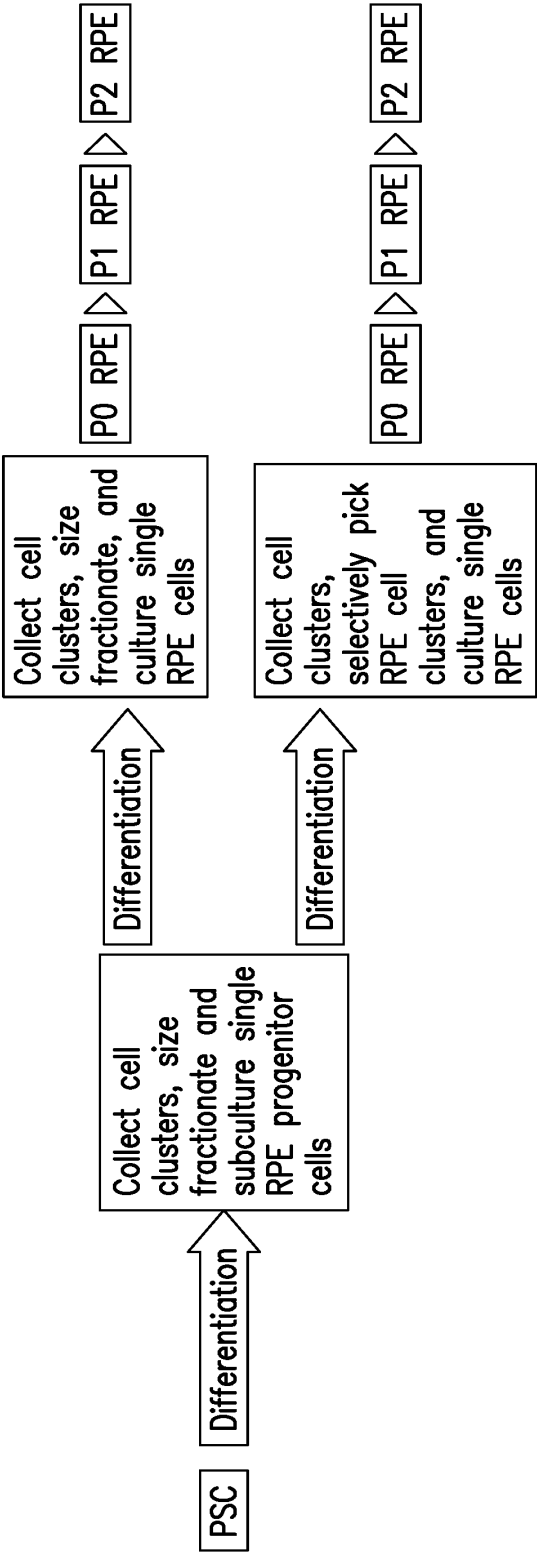


FIG.3A

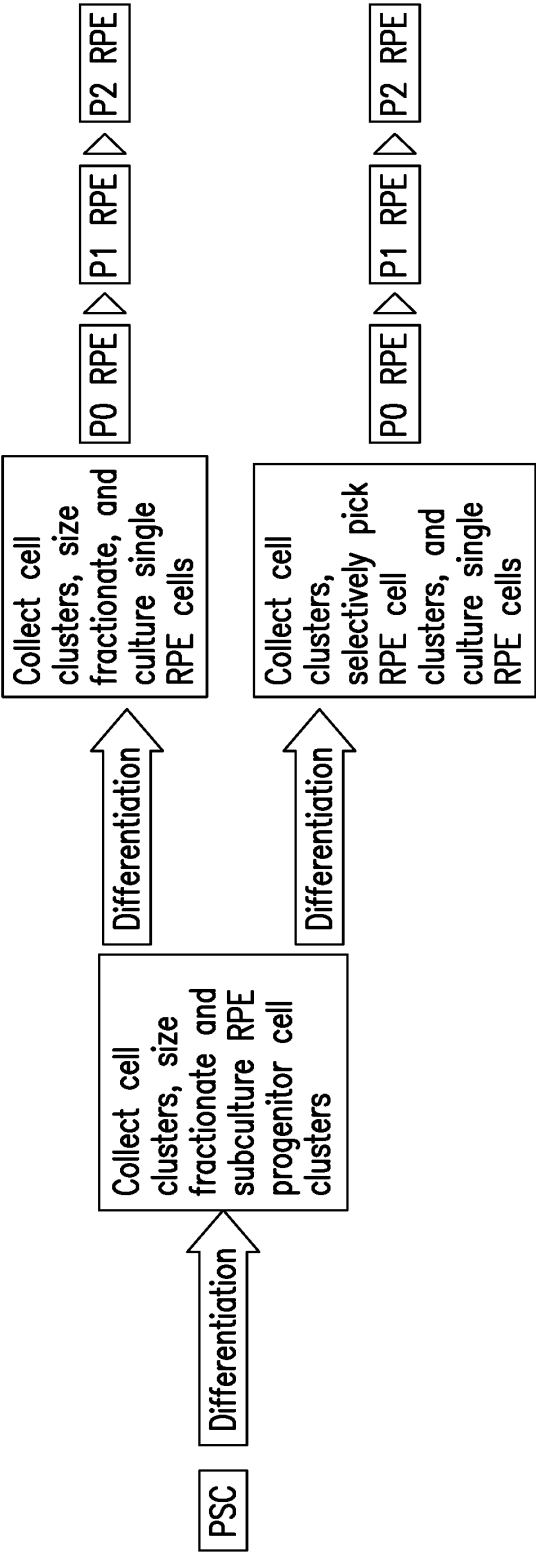


FIG.3B

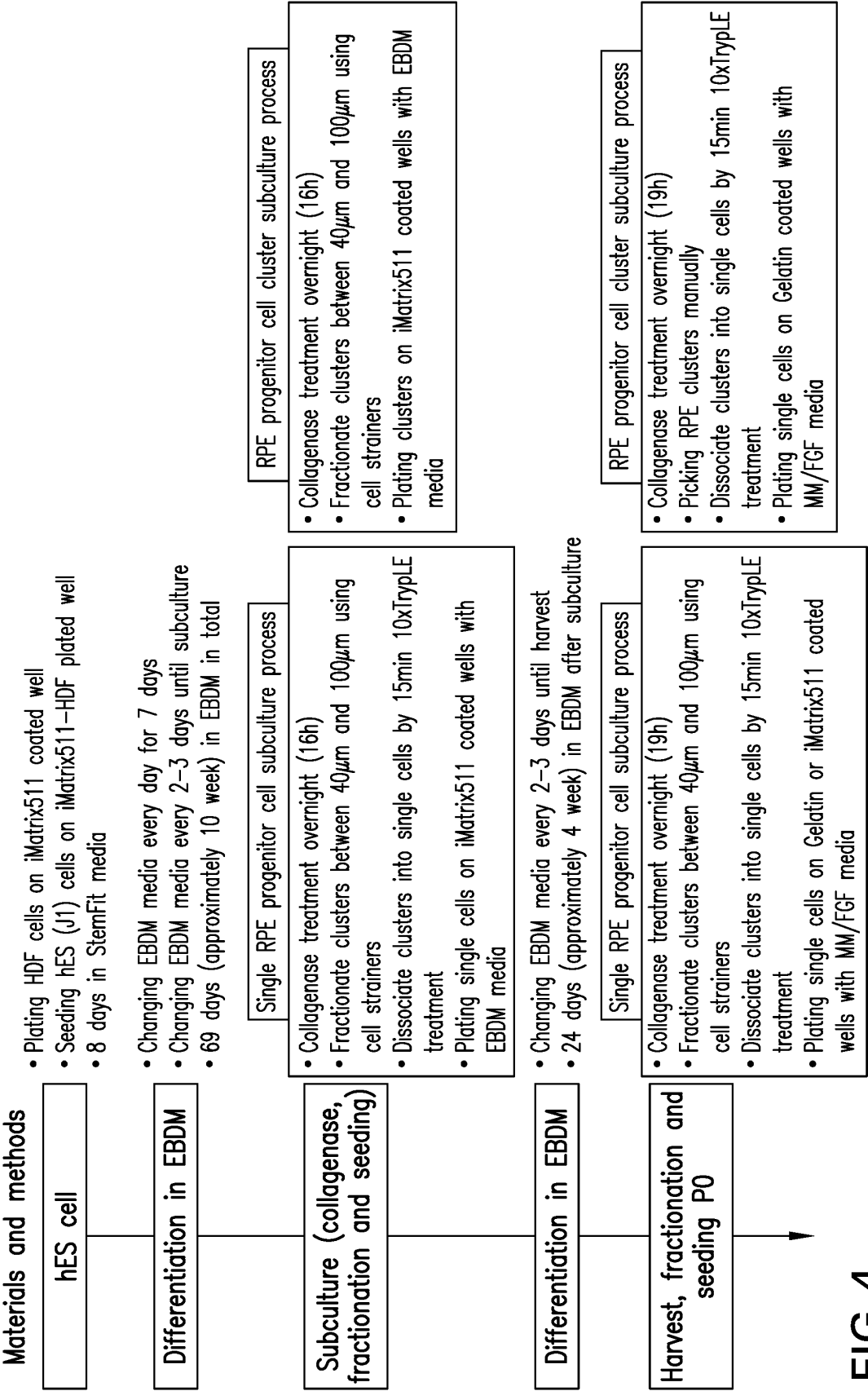
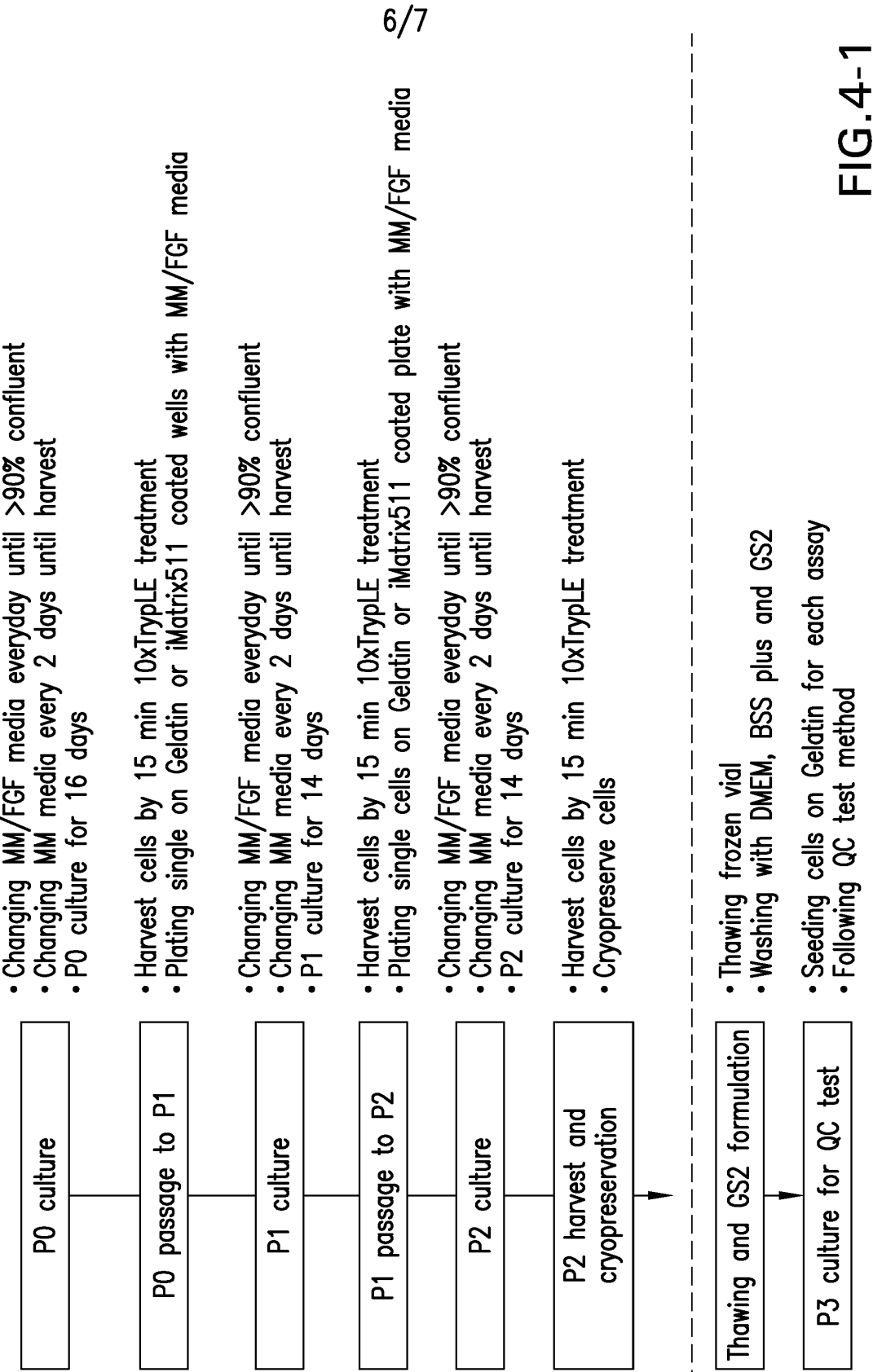


FIG.4



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Test (days in culture after thawing and formulating in GS2)	RPE lot TD1918	RPE lot TD2018	RPE lot TD2118
Process	RPE progenitor cell cluster subculture	Single RPE progenitor cell subculture	Single RPE progenitor cell subculture
RPE expansion	Gelatin	Gelatin	iMatrix511
Recovery (day 0)	17.4%	19.6%	15.9%
Viability (day 0)	94.8%	97.0%	94.1%
FISH (Chr12/Chr17) (day 8)	Normal	Normal	Normal
Karyotype (day 3)	Normal	Normal	Normal
Purity MTF and/or PAX6 (day 2)	100%	100%	100%
Potency (day 4)	85.9%	91.3%	82.8%
qPCR for hRPE mRNA (day 0): BEST1, PAX6, MTF, RPE65: up-regulated by a minimum of 1 log ₁₀ compared to hESC qPCR for hESC mRNA (day 0): downregulated compared to hESC (log ₁₀): OCT4: ≤ -2.13 SOX2: ≤ -0.63 NANOG: ≤ -1.95	Pass	Pass	Pass
Bestrophin (day 28)	78%	72%	77%
ZO-1 (day 28)	99%	100%	99%

FIG.5