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| • 系統編號 | RC8904-0017 | | |
| • 計畫中文名稱 | 培養的人體頭皮毛乳頭細胞，毛根鞘纖維母細胞與真皮纖維母細胞 | | |
| • 計畫英文名稱 | A Comparative Study of the Competence in Supporting the Growth of Epidermal and Follicular Epithelial Cells among the Cultured Hair Follicle Dermal Papilla Cells, Dermal Sheath Cells and Dermal Fibroblasts Derived from Human Scalp | | |
| • 主管機關 | 行政院國家科學委員會 | • 計畫編號 | NSC83-0412-B002-011 |
| • 執行機構 | 國立台灣大學醫學院皮膚科 | | |
| • 本期期間 | 8208 ~ 8307 | | |
| • 報告頁數 | 0 頁 | • 使用語言 | 英文 |
| • 研究人員 | 邱顯清 Chiu, Hsien-Ching | | |
| • 中文關鍵字 | 毛囊上皮細胞；表皮細胞；纖維母細胞；乳頭細胞；毛細胞 | | |
| • 英文關鍵字 | Follicular epithelial cell；Epidermal cell；Fibroblast；Papilla cell；Hair cell | | |
| • 中文摘要 | 查無中文摘要 | | |
| • 英文摘要 | <p>Human scalp tissue was used to cultivate hair follicle dermal papilla cells, dermal sheath cells and interstitial dermal fibroblasts. Dermal papilla cells were cultured by explanting dispase-treated dermal papillae. Dermal sheath cells were cultured by explanting bulb-free, lower third follicle segments. Dermal fibroblasts were obtained by explant culture of interfollicular dermal tissue. When the cultured dermal papilla cells, dermal sheath cells and dermal fibroblasts were cocultured with freshly isolated or serially passaged epidermal cells, respectively, no significant difference in the growth of the epidermal cells was noted, irrespective of the coculture method used, which was either a direct cell-to-cell contact between the epithelial and mesenchymal cells or separation of the two population of cells by a Millipore membrane. However, when freshly isolated hair matrix cells were seeded on the three types of mesenchymal cells, respectively, only the hair matrix cells on the dermal papilla cells showed a significant growth. These results revealed that dermal papilla cells are unique in the competence to support the growth of hair matrix cells.</p> | | |