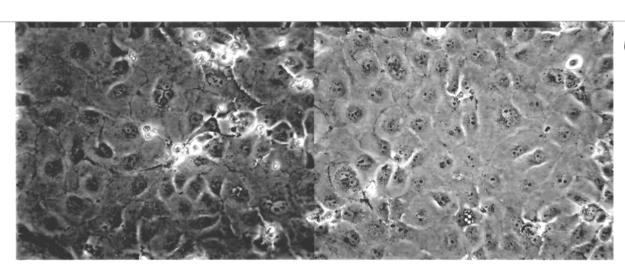
☆☆RLC-10・P3細胞の歴史☆☆☆ 初代培養:1965年・JAR-1F24年、生后11日の肝臓由来。主にANQOによる試験管内発癌実 験に使用。 培養法:静置培養、CS10%+LD培地。 樹立当初の特徴:形態は上皮様。染色体核型は正二倍体。細胞電気泳動的にも均一な細 胞集団であった。(1-1)(1-2) 4NQOによ3文具 20 RLC-10 PER 42 Carcinogenesis in Tissue Culture 23: Population Analysis in the Cultures of Transformed Rat Liver Cells by Cell Electrophoresis¹⁾ 10 (1-1) Takashi YAMADAD, Toshiko TAKAOKA* and Hajim KATSUTA* (1-2) METAPHASES. Division of Pathology, National Cancer Center Research Institute, Trakiji, Chun-ku, Tulye 104, and Department of Cancer Cell Research, Institute of Medical Science, University of Tulyo, Shirokanedel, Minato-ku, Tulye 108, Japan (Received for Publication, January 10, 1974) Summary: In eight cultured strains of rat liver cells transformed in culture with 4nitroquinoline 1-oxide (4NQO) or spontaneously, population analysis of cells was carried out by an automatic photo-recording cell electrophoresis. PER 31 510 The lowest frequency range of the presence of malignant transformants in the cell strains was anticipated to be less than 5%, and the cell strains having low population of malignant transformants were those transformed spontaneously or by a single or several times of application of 4NQO. cation of 4NQO.

On the contrary, the highest was as many as 18%, the strains malignantly transformed in culture by many times of application represented higher population of transformants.

Hence it was strongly suggested that, when cell strains were malignantly transformed in culture by different ways, their malignant cell populations were quite different in number from each other. The biological property of cell strains transformed in culture could be not reasonably compared with each other unless cell population analysis is employed. C RLT-2 PER 63 NUMBER OF (肝癌細胞との相互作用) JF福AII-7974細胞の放出する毒性についての実験では、正常細胞の代表として使用した。 まず双子管を用いて相互作用を観察し、次に肝癌培地を化学的に分析して、RLC-10細胞に 対する増殖阻害度を検索した。(4) (テロメアとテロメラーゼ) テロメラーゼはー、テロメア長は2.0キロベース。 Toxic Metabolites Released From Rat Hepatoma Cells in Culture. I. Effects Metabolites of Hepatomas on Various Cells 1,2 Hajim Katsuta, Toshiko Takaoka, and Shigeru Yasumoto a SUMMARY—All fractions obtained with Sephadex G-10 or G-25 from media in which various rat hepatoma cells were cultured inhibited the growth of normal rat liver cells in culture, whereas those from normal rat liver cells accelerated growth. The fraction from the media of rat hepatomas had little effect on the growth of rat hepatoma cells but markedly inhibited growth of liver cells which were not backtransplantable.—J Natl Cancer Inst 51: 1841–1844, 1973. THE EFFECT of HEPATOMA MEDIUM (AH-7774) on the UNADDED ğ (30% DM-145) HEPATOMA ID=1710 HEPATOMA E. TREATED) スへいミンに成受性 ō. Effects of spermine on the proliferation of liver cells, hepatoma cells and peritoneal-lining cells of the rat in culture. Cultural for 3 Day N CONTROL (正常ラット肝細胞の培養内増殖に対する肝癌 培地 (点線) およびそれを透析膜波通した波 液 (頻義) の影響 破験は肝癌細胞を加えずに同期間加湿した肝 癌用の増地を添加した群を示す。 ROUFEATION IN TC-15 TC-27 ME OF CELL P

SPERMINE IN

MEDIUM



RLC-10 • P3