

RAW264.7 cell을 이용한
안전성 검정

동신대학교



재료

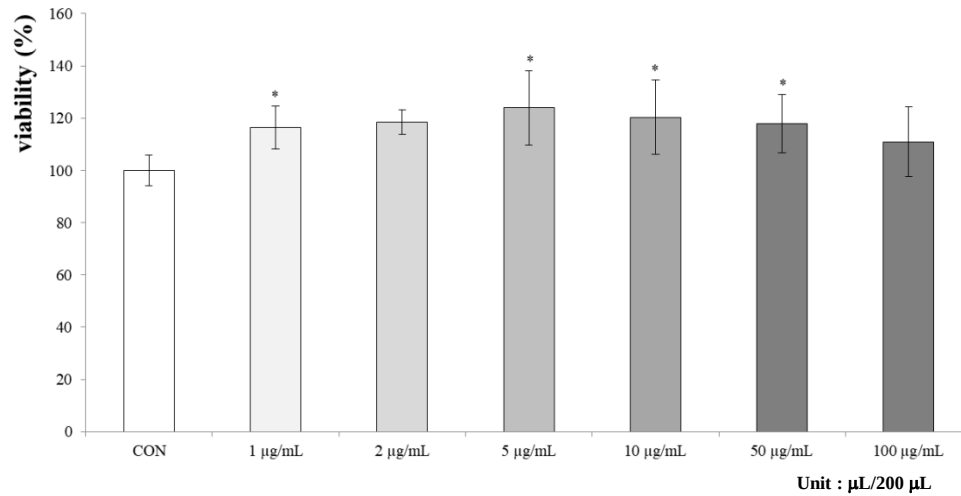
- Cell : RAW264.7
- Media : DMEM with 10% FBS, 1% penicillin
- 시험재료 및 용량
: Puriton, 0 – 150 μ L/200 μ L (5 – 75%)
- 분석시약
: 3-(4,5-Dimethylthiazol-2-yl)-2,5-Diphenyltetrazolium Bromide (MTT)

방법

- 목적: Cell viability
- 분석법: MTT assay
- 개괄적 분석방법
 - 1) 1.0×10^4 cells/well seeding
 - 2) attaching for 12 hr
 - 3) triplicate treatment
 - 4) pH 무조정 및 0, 1, 2, 5, 10, 50, 100, 150 μL /200 μL (0 – 75%)
 - 4) 24 hr & 48 hr analysis

결과_1

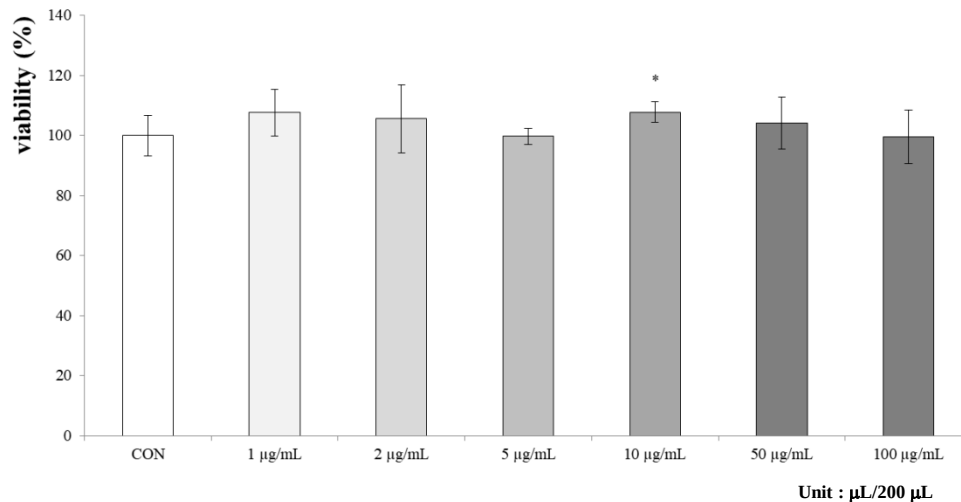
24 hr



24 hr

: 0.5% - 25% 증식
: 50%까지 독성 없음

48 hr

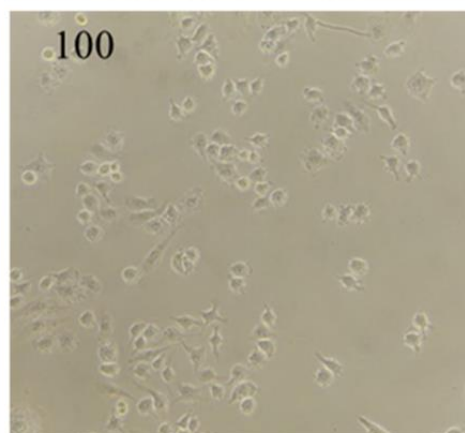
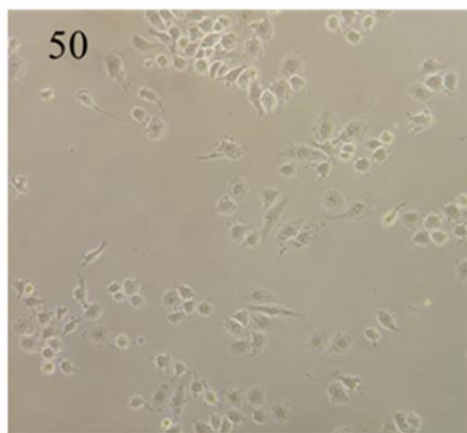
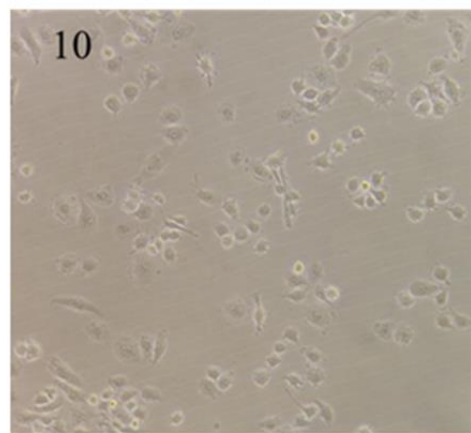
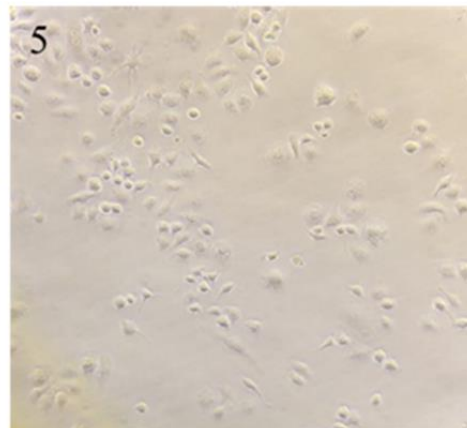
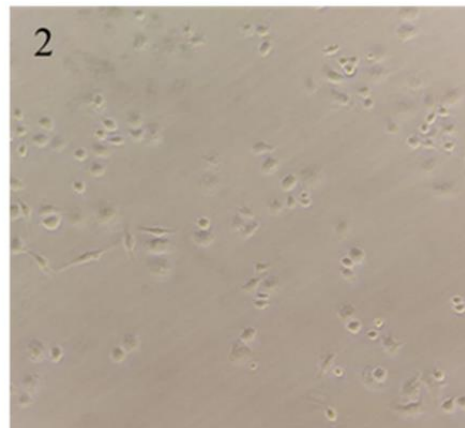
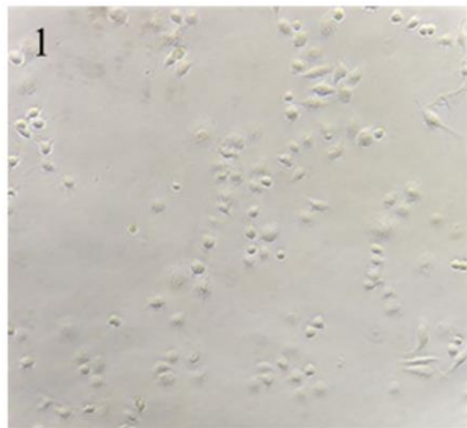
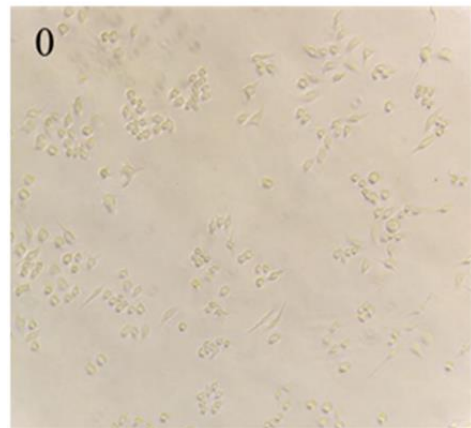


48 hr

: 0.5% - 25% 증식
: 50% 까지 독성 없음

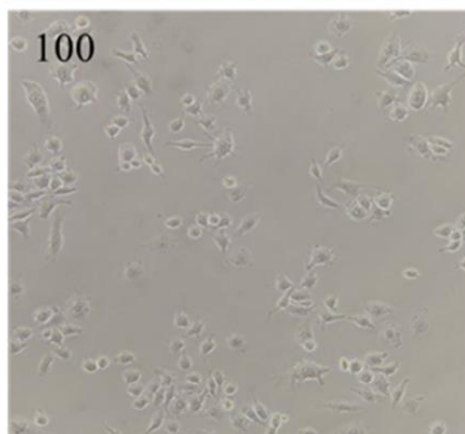
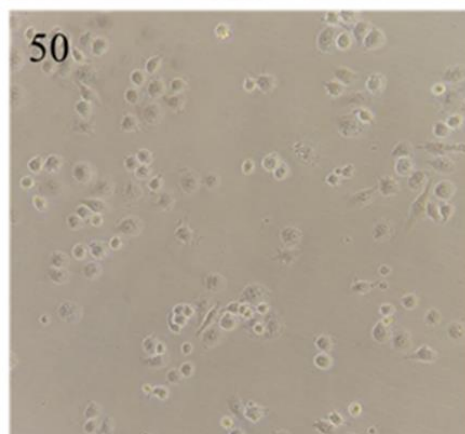
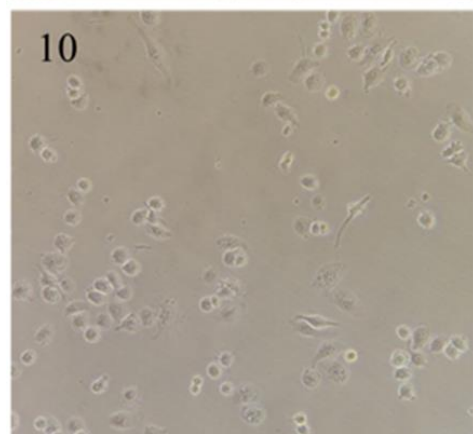
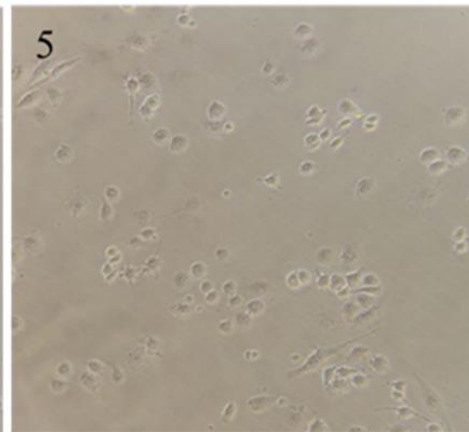
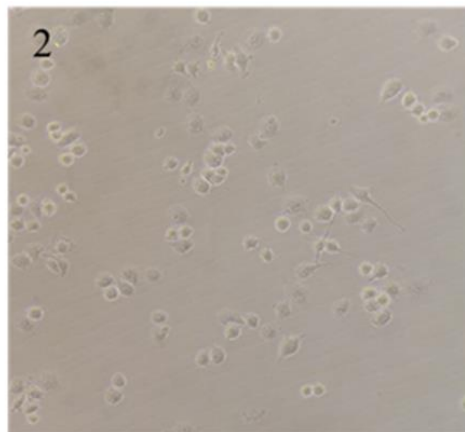
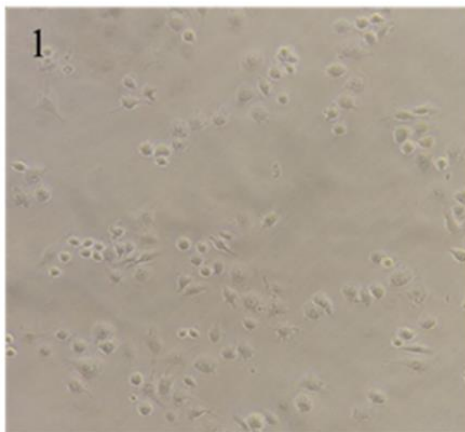
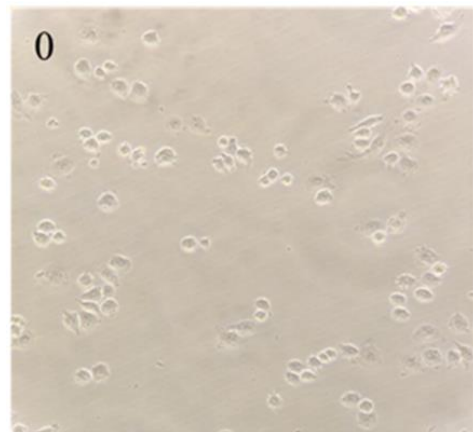
결과_2

24 hr



결과_3

48 hr



MDA-MB-231(유방암세포주)을 이용한 암세포 증식 억제능 검정

동신대학교



재료

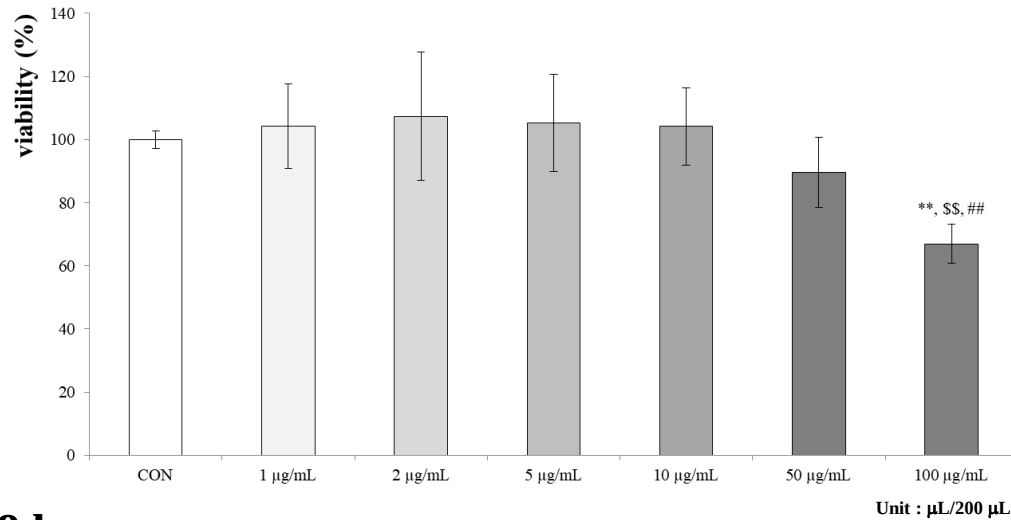
- Cell : MDA-MD-231(유방암세포주)
- Media : DMEM with 10% FBS, 1% penicillin
- 시험재료 및 용량
: Puriton, 0 – 150 μ L/200 μ L (0 – 75%)
- 분석시약
: 3-(4,5-Dimethylthiazol-2-yl)-2,5-Diphenyltetrazolium Bromide (MTT)

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결과_1

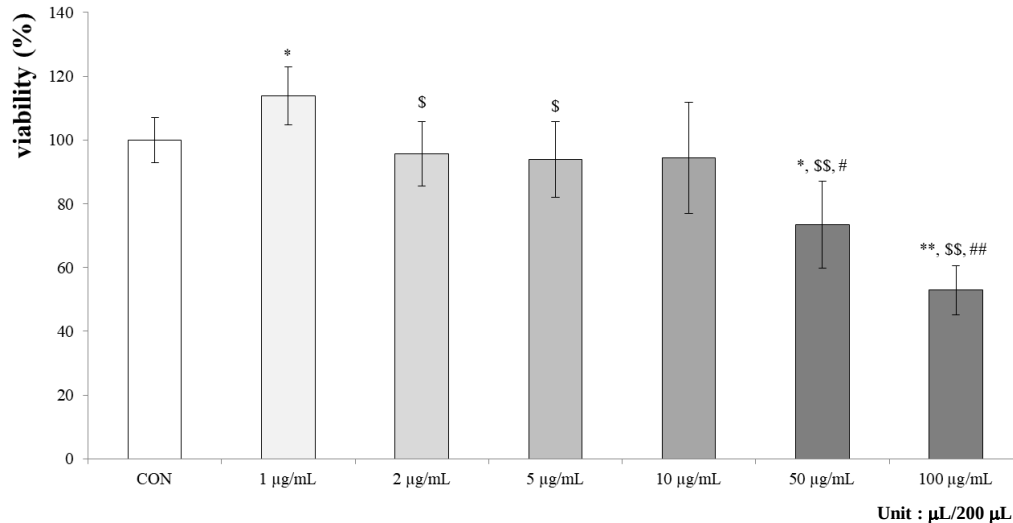
24 hr



24 hr

: 25% - 50% 증식억제

48 hr

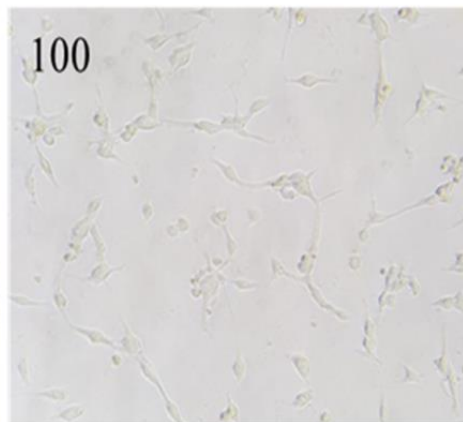
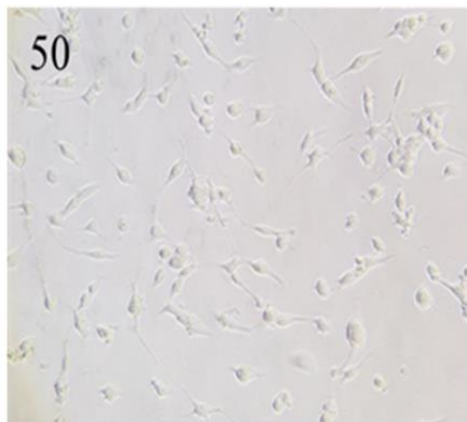
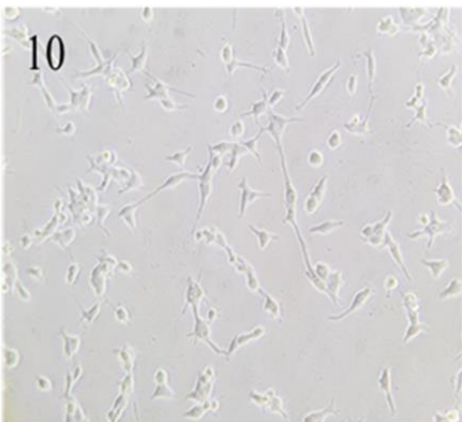
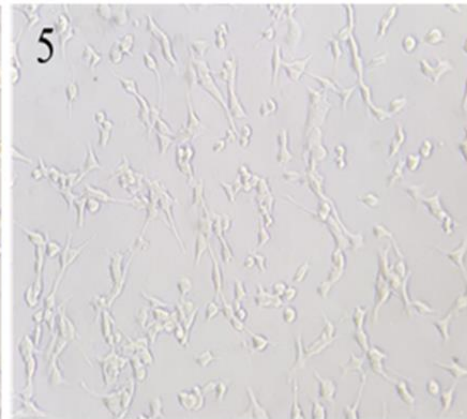
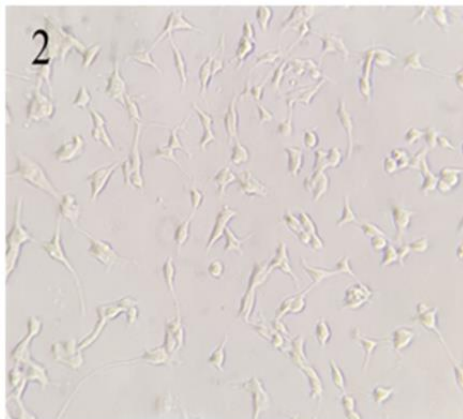
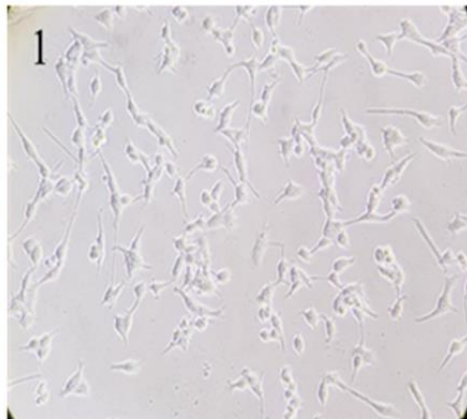
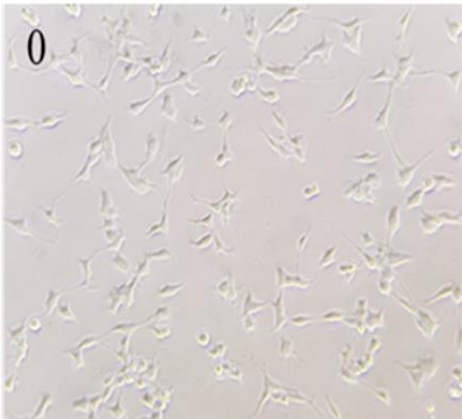


48 hr

: 25% - 50% 증식억제

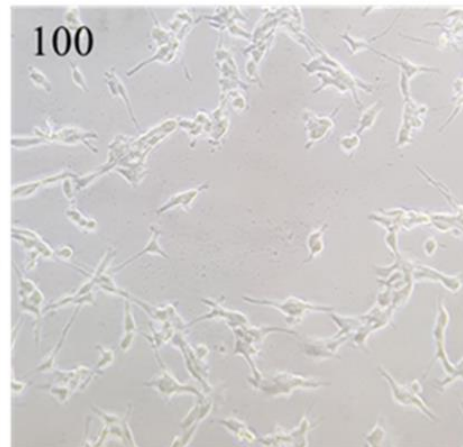
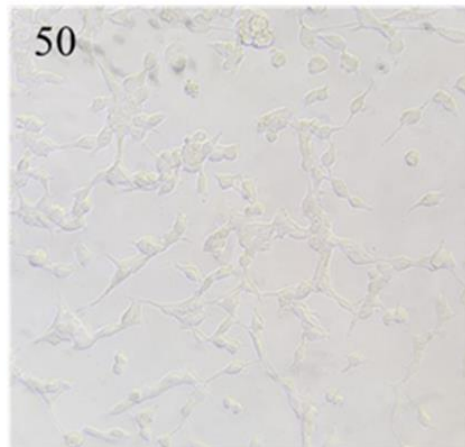
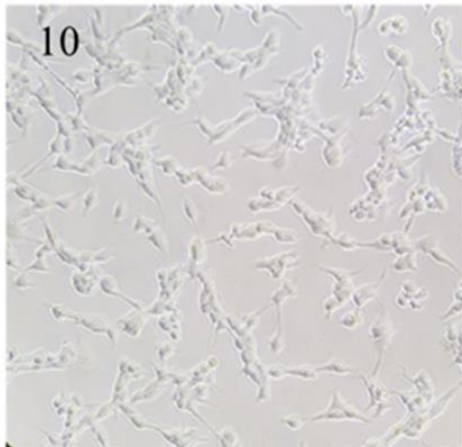
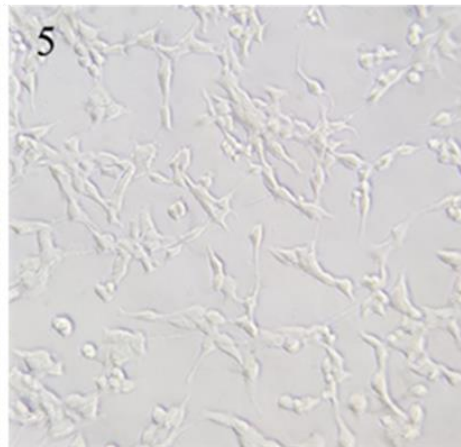
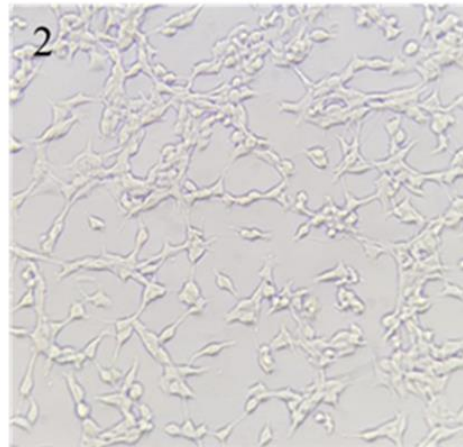
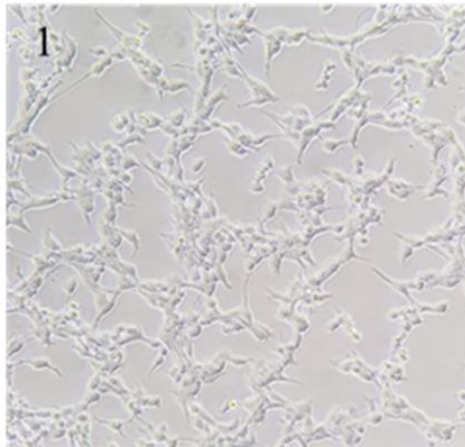
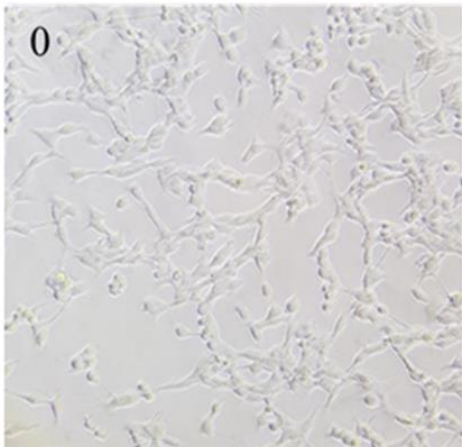
결과_2

24 hr



결과_3

48 hr



HepG2 (간세포주)을 이용한
암세포 증식 억제능 검정

동신대학교



재료

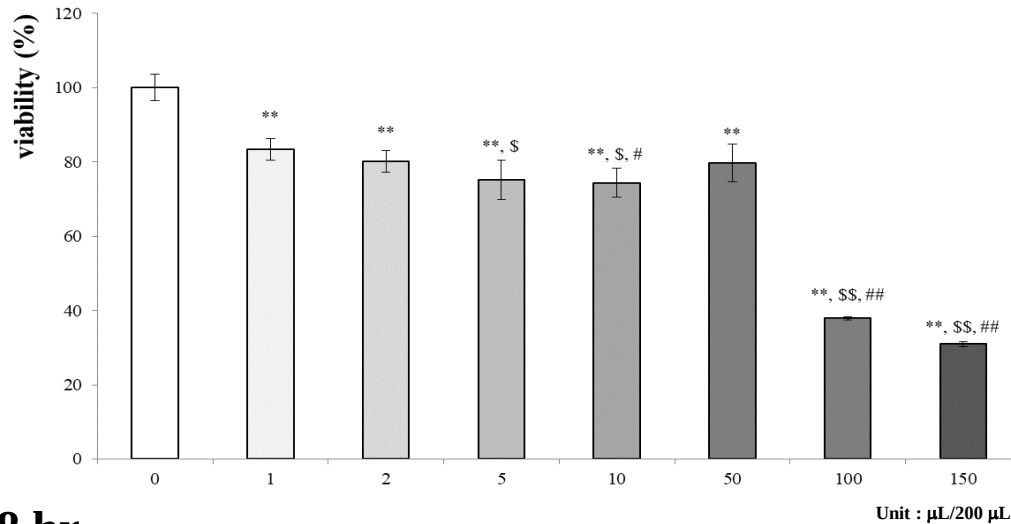
- Cell : HepG2 (간세포)
- Media : DMEM with 10% FBS, 1% penicillin
- 시험재료 및 용량
: Puriton, 0 – 150 μ L/200 μ L (0 – 75%)
- 분석시약
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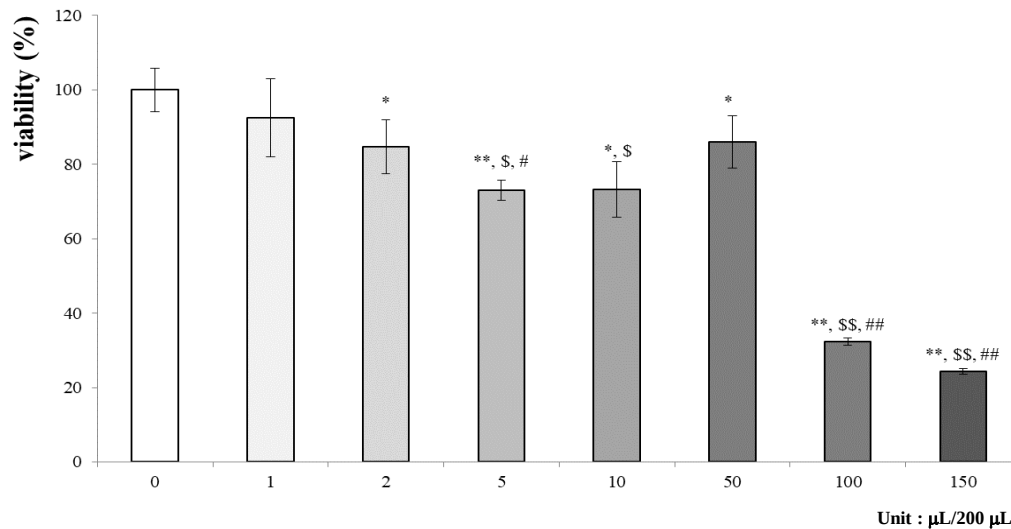
24 hr



24 hr

: 50% - 75% 증식억제

48 hr



48 hr

: 50% - 75% 증식억제

A549 (폐세포주)을 이용한
암세포 증식 억제능 검정

동신대학교



재료

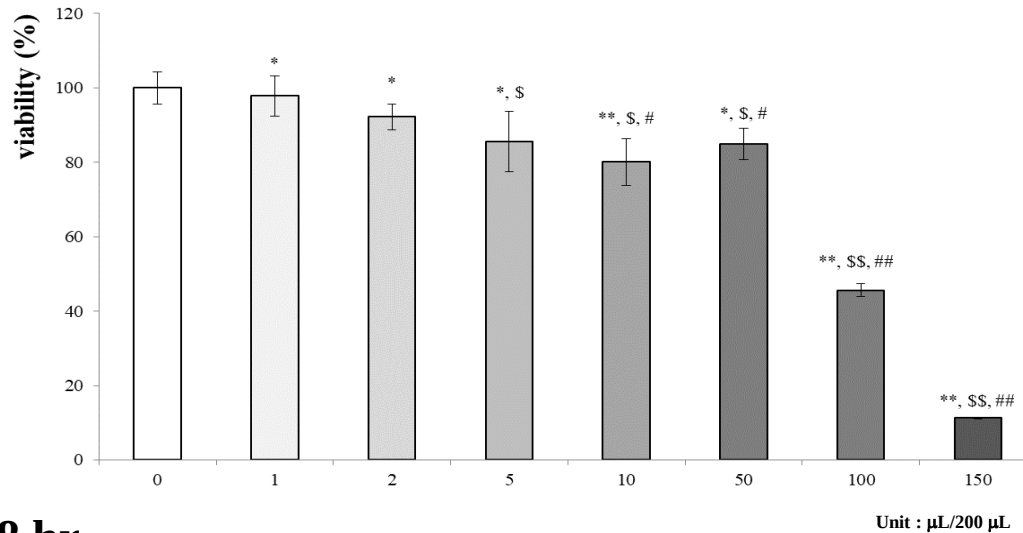
- Cell : A549 (폐세포)
- Media : RPMI 1640 with 10% FBS, 1% penicillin
- 시험재료 및 용량
: Puriton, 0 – 150 μ L/200 μ L (0 – 75%)
- 분석시약
: 3-(4,5-Dimethylthiazol-2-yl)-2,5-Diphenyltetrazolium Bromide (MTT)

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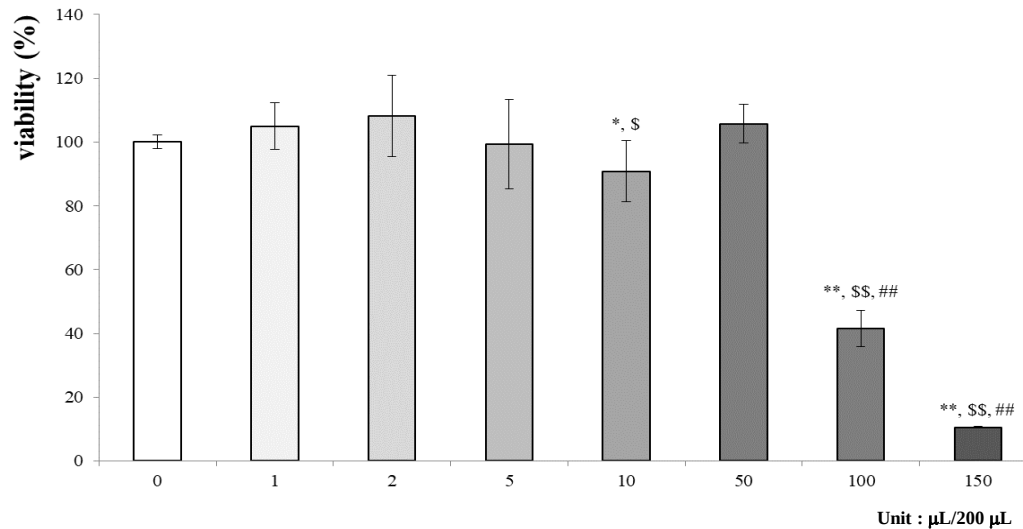
24 hr



24 hr

: 50% - 75% 증식억제

48 hr



48 hr

: 50% - 75% 증식억제