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# The Synthesis and Evaluation of RGD-Conjugated Chitosan Gel as Daily Supplement for Body Weight Control

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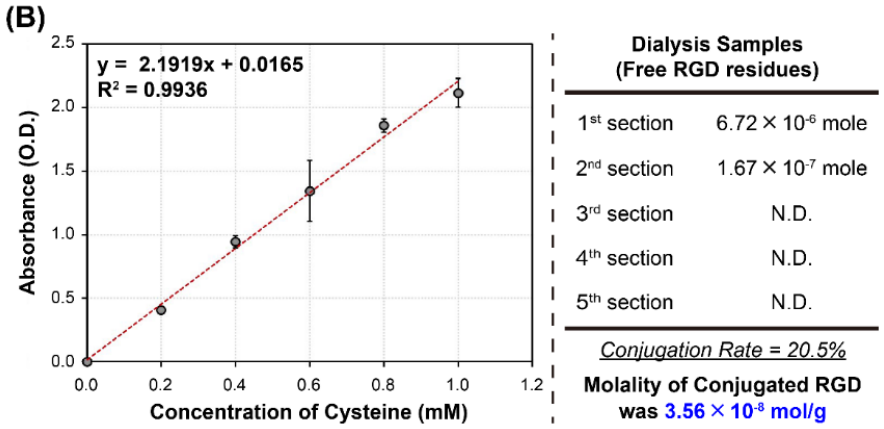



**Figure S1.** Ninhydrin test concentration calculation of the RGD peptide, RGD-Chitosan conjugate, and 90% deacetylated chitosan.

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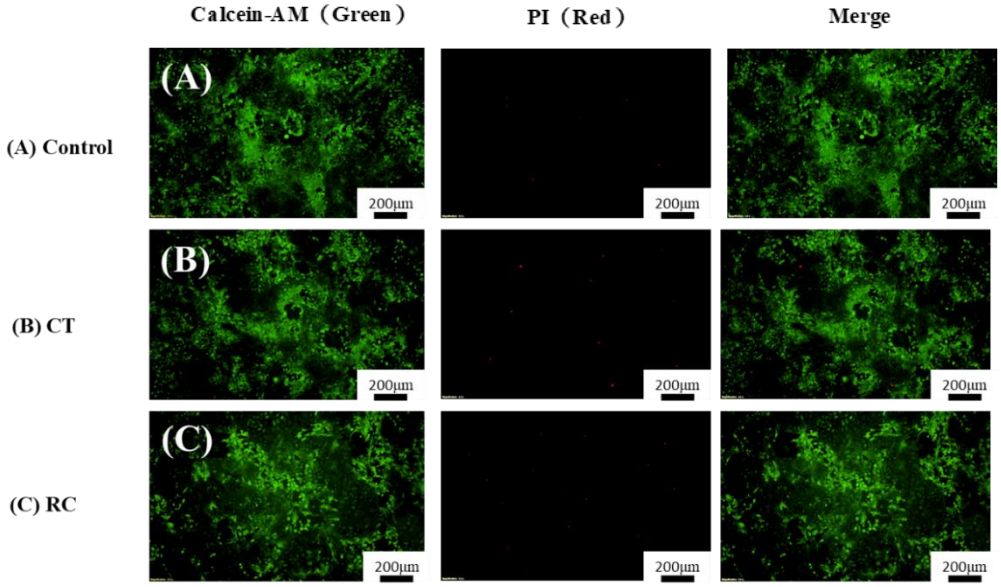



**Figure S2.** Live and dead staining. (**A**) Control; (**B**) Chitosan (CT), and (**C**) RGD-Chitosan conjugate (RC).

**Table S1.** Blood and hematic biometrics of the normal control (NC), chitosan (CT) and RGD-Chitosan conjugate (RC) groups.

| | **NC** | **CT** | **RC** |
|---|---|---|---|
| WBC($10^3$/μL) | 9.14 | 13.57 | 11.40 |
| N E% | 3.05 | 13.85 | 13.19 |
| LY% | 5.71 | 86.35 | 82.57 |
| MO% | 0.25 | 3.39 | 3.77 |
| EO% | 0.11 | 0.59 | 0.75 |
| BA% | 0.02 | 0.48 | 0.43 |
| RBC ($10^6$/μL) | 14.03 | 8.01 | 7.12 |
| HGB (g/dl) | 79.85 | 15.97 | 13.83 |
| HCT (%) | 2.36 | 46.47 | 40.83 |
| MCV (fl) | 1.17 | 57.67 | 56.77 |
| MCH (pg) | 0.40 | 20.03 | 19.13 |
| MCHC (g/dl) | 7.45 | 34.37 | 33.73 |
| RDW (%) | 15.17 | 13.80 | 14.87 |
| PLT ($10^3$/μL) | 42.03 | 905.67 | 836.67 |
| MPV (fl) | 56.50 | 6.67 | 6.40 |
| GLU/BIL/KET | Negative | Negative | Negative |
| SG | 1.014 | 1.014 | 1.016 |
| BLO/NIT/LEU | Negative | Negative | Negative |
| pH | 6.5 | 7.0 | 7.0 |
| PRO | Negative | Negative | Negative |
| URO | 0.2 | 0.2 | 0.2 |