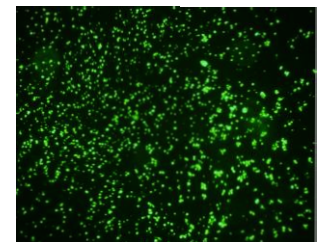


[VR-01LB-00, VR-01LB-01](#)

Fig. 1: Comparison of GFP expression in human tongue carcinoma cells Cal-27 after plasmid (pZsGreen, Clontech) transfection with Viomer[®] RED and Lipofectamine[®] 2000

- standard protocol, 24-well plate format, read-out 48h post-transfection
- approx. **40% efficiency** (95% on HEK293T standard cells) →
- Higher efficiency compared to Lipofectamine[®] 2000, same cell viability
- Comparable results with 2 other oral/tongue cancer cell lines:
 - **Ca9-22 cells: 80%** and SAS cells: 60%
 - Viomer[®] YELLOW also tested but gives lower efficiency:
Cal-27: 10%, **Ca9-22: 50%**, SAS cells:40%

293T_pZsGreen



Data from M. Hsiao's lab, Genomics Research Center, Academia Sinica, Taipei (Taiwan)