Preparation of fluorescein-containing vitreous substitute

PanaceaGel™ was diluted in distilled water to achieve a 0.15% (w/v) gel with a pH between 6.0 and 7.5. The resulting solution was further diluted with balanced salt solution including fluorescein to achieve a 0.1% (w/v) gel. The 0.1% (w/v) gel was added to the vial, the balanced salt solution was gently added on top of the gel, and it was left still.
Removal by vitreous cutter probe

After standing for one day, the vial’s contents were placed into a 35 mm dish, then the gel was removed with a 25 G vitreous cutter system. After removal, the dish was filled with balanced salt solution and the presence or absence of fluorescence of fluorescein was confirmed under blue light.

FIGURE LEGENDS

Supplementary Figure 1. a. A photograph of the fluorescein-containing vitreous substitute (yellow) under the balanced salt solution. b. A dish filled with balanced salt solution under blue light after removing the vitreous substitute with the vitreous cutter.

Supplementary Movie 1. The fluorescein-containing vitreous substitute was removed with the vitreous cutter probe in vitro.

FIGURE
Supplementary Figure 1
K. Uesugi et al.