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Oil-containing lipid bodies (green) are visible within live *Ophiocytium maius* Naegeli algal cells after vital staining with the fluorescent dye, BODIPY 505/515. Chloroplasts in these filamentous algal cells fluoresce red under the same blue light excitation.

Biotechnological applications of using BODIPY 505/515 to visualize and detect intracellular oil stores in live algal cells are discussed in Cooper, M.S. *et al.*, “**Visualizing green oil in live algal cells**”, **J. Biosci. Bioeng.**, **Volume 109, Issue 2, Pages 198-201 (2010)**.

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