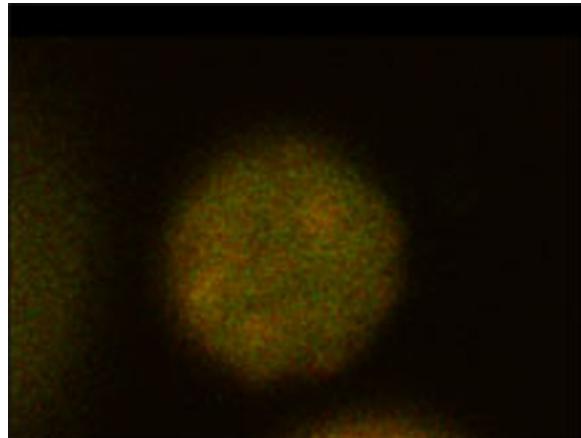


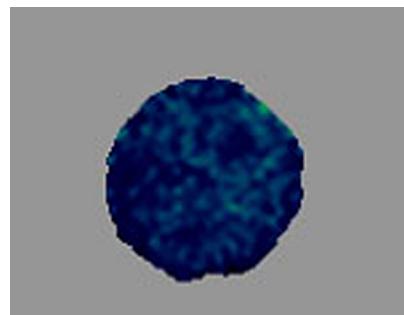
Supporting Information

Morgan et al. 10.1073/pnas.0905565106



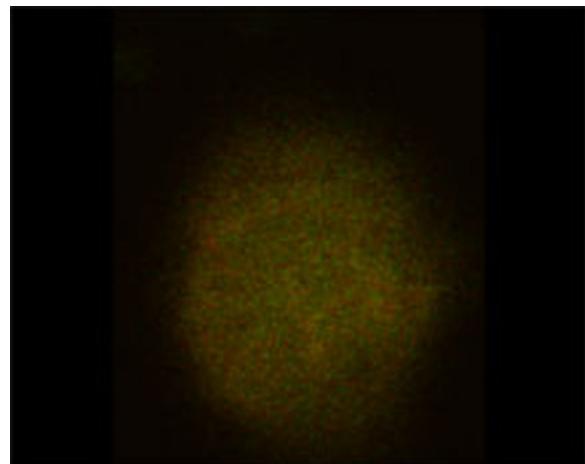
Movie S1. A human neutrophil phagocytosing opsonized zymosan, as visualized by overlaying 2 confocal images: one excitation at 515 nm, emission at 550–604 nm, the other excitation at 594 nm, emission at 620–715 nm. Total actual time ≈20 min (15 s between images), compressed to 6 s. QuickTime movie, 156 kb.

[Movie S1 \(MOV\)](#)



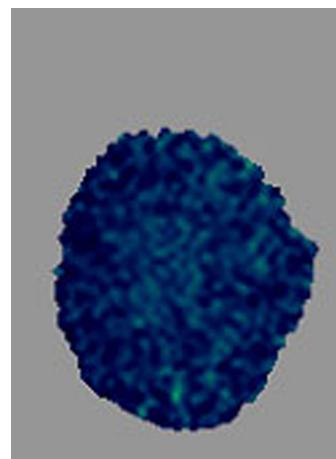
Movie S2. Pseudocolor version of the same human neutrophil phagocytosing opsonized zymosan. See pH calibration bar in text Fig. 2. QuickTime movie, 369 kb.

[Movie S2 \(MOV\)](#)



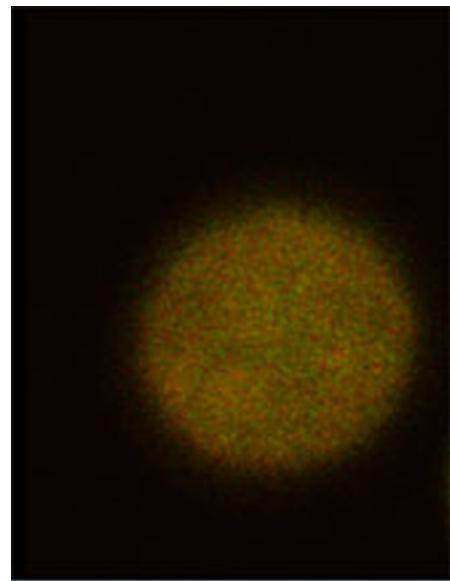
Movie S3. A human neutrophil pretreated with 100 μ M ZnCl₂ phagocytosing opsonized zymosan. Total actual time \approx 20 min (15 s between images), compressed to 6 s. QuickTime movie, 165 kb.

[Movie S3 \(MOV\)](#)



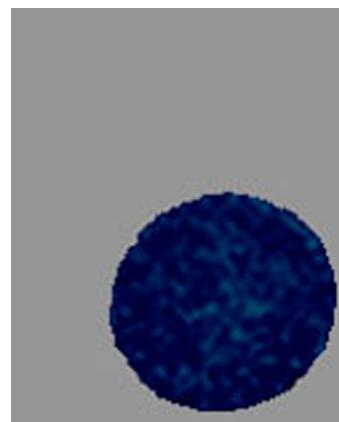
Movie S4. Pseudocolor version of the same human neutrophil pretreated with 100 μM ZnCl_2 phagocytosing opsonized zymosan. Note the rapid and profound acidification without recovery. QuickTime movie, 505 kb.

[Movie S4 \(MOV\)](#)



Movie S5. A human neutrophil pretreated with 20 μ M DMA phagocytosing opsonized zymosan. Total actual time \approx 20 min (15 s between images), compressed to 6 s. QuickTime movie, 194 kb.

[Movie S5 \(MOV\)](#)



Movie S6. Pseudocolor version of the same human neutrophil pretreated with 20 μ M DMA phagocytosing opsonized zymosan. Note the profound acidification without recovery. QuickTime movie, 375 kb.

[Movie S6 \(MOV\)](#)