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- (71) Applicant: **REGENERON PHARMACEUTICALS, INC.** [US/US]; 777 Old Saw Mill River Road, Tarrytown, New York 10591 (US).
- (72) Inventor: **BROWNE, Ross**; 240 W 98th Street, Apartment 12D, New York, New York 10025 (US).
- (74) Agent: **PORTIS, Jason et al.**; Bookoff McAndrews, PLLC, 2020 K Street, NW, Suite 400, Washington, DC 20006 (US).
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(54) Title: PH METER CALIBRATION AND CORRECTION

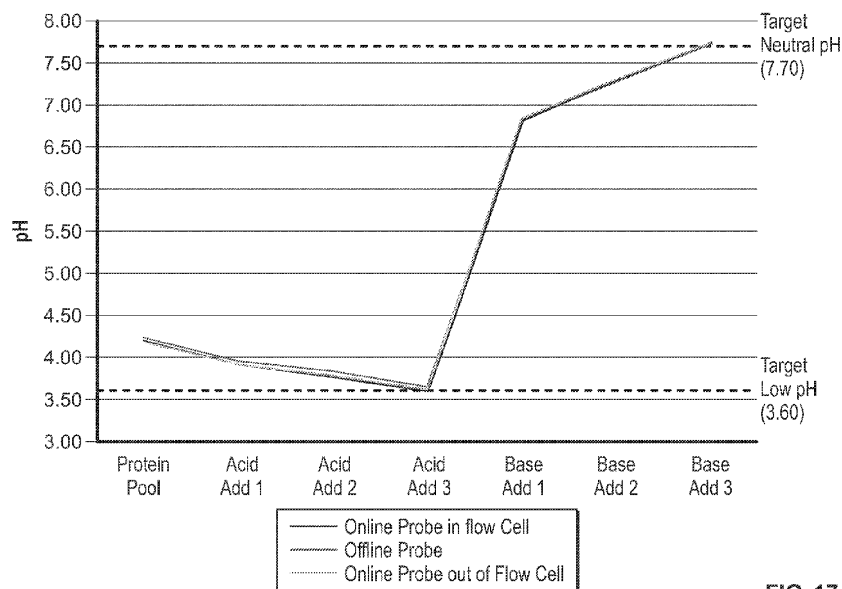


FIG. 17

(57) Abstract: The disclosure relates to systems and methods for detecting and correcting errors in pH meter calibration or function when changing the pH of a sample, comprising measuring an initial pH, adding two or more amounts of titrant and measuring corresponding pH values, and applying a model to determine if the measured pH values correspond to pH values predicted by the model. The systems and methods can be used to control pH during viral inactivation of protein samples.

[Continued on next page]

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