CLAIMS

1. A cuvette for use with a contact lens inspection system, the cuvette comprising:

a cuvette body including a plurality of side walls defining an interior volume;

a closed base coupled to the plurality of side walls, wherein the closed base includes a magnetic mount;

a plurality of saline orifices, each saline orifice defined by a side wall of the plurality of side walls;

a plurality of inlays disposed in the interior volume above the plurality of saline orifices; and

a measurement aperture formed in the interior volume above the plurality of inlays;

wherein the cuvette is configured to hold the contact lens at a consistent position during a plurality of measurements.

2. The cuvette of claim 1, wherein the cuvette further comprises at least one light aperture formed in a first side wall and an opposing measurement aperture formed in an opposing side wall.

3. The cuvette of claim 1, wherein the cuvette further comprises a sensor mount formed on at least one of the side walls.

4. The cuvette of claim 1, wherein the plurality of inlays comprises a plurality of baffles or mixing plates.

5. The cuvette of claim 1, wherein the cuvette further comprises at least one lens positioning feature disposed on the measurement aperture.

6. The cuvette of claim 5, wherein the at least one lens positioning feature disposed on the measurement aperture further comprises a plurality of datum features formed in the measurement aperture.

7. The cuvette of claim 1, wherein the cuvette further comprises at least one optical lens.

8. The cuvette of claim 1, wherein the cuvette further comprises an input valve fluidly coupled to a first of the plurality of saline orifices and an output valve fluidly coupled to a second of the plurality of saline orifices.

9. The cuvette of claim 1, further comprising a saline pump system fluidly coupled to the cuvette.

10. The cuvette of claim 1, wherein the cuvette further comprises an anti-Schlieren control.

11. The cuvette of claim 1, wherein the cuvette further comprises a vibration and pulse control.