

Hamilton Microlab 600 Series Diluter Validation
Serial Number: ML600BD1647

The Hamilton Mircrolab 600 series diluter was validated on the following days using known standards and controls on headspace gas chromatograph instruments 3 and 4. All controls and NIST standards were within the required range of ± 0.010 g/100ml of the known values.

- 3/14/12 – NIST standards were used to calibrate the instruments. Current controls were analyzed. A series of five NIST standards at the following values: 0.03900, 0.050, 0.080, 0.1701, and 0.3 g/100ml were then analyzed. CTS blood samples were analyzed in duplicate at values of 0.06, 0.23, 0.11, and 0.15 g/100ml. Blanks were run between different sample sets. This showed that the diluter did not have carry over from one sample to the next and did not affect quantitation or accuracy of the instruments.
- 3/15/12 and 3/16/12 – Current standards were used to calibrate the instruments. Current controls were analyzed. A series of 10 NIST standards at the legally relevant values of 0.050, 0.080, 0.200 g/100ml were analyzed each day. This showed that the diluter did not affect the quantitation of the instruments and was consistent over multiple days of analysis.

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Technical Review: *g-miel 3-19-12*

Administrative Review: *Li 1. Am 3/19/12*

QA Review: *JMS 3/21/12*