Results (Lovastatin Method)

Lovastatin can have a significant stabilizing effect observed for unspotted blood treated with NaF vs. untreated (Figure 7). For spotted blood, no difference was observed; all three cards appeared to stabilize ester hydrolysis, with long-term effects more pronounced than for treatment with a stabilizer. There was a short-term instability for DBS method development.

Conclusions

Significant differences in extraction recoveries were observed across different compounds, cards and extraction solvents, indicating that these variables are critical for DBS method development. DBS cards were shown to stabilize hydrolysis, with long-term effects more pronounced than for treatment with a stabilizer. There was a short-term instability for DBS method development. DBS cards were shown to stabilize hydrolysis, with long-term effects more pronounced than for treatment with a stabilizer. There was a short-term instability for DBS method development. DBS cards were shown to stabilize hydrolysis, with long-term effects more pronounced than for treatment with a stabilizer. There was a short-term instability for DBS method development.

Acknowledgement

The authors would like to thank Jay Henson (RTI International) for the blood collections.