

Nova StatStrip® Glucose Bibliography

Point-of-care glucose testing can be challenging in the hospital setting. Interfering substances such as hematocrit, drugs, and elevation of pathophysiological and other endogenous metabolites have all been *shown to interfere with the measurement of glucose testing*. Nova's StatStrip glucose monitoring system is designed to measure and eliminate the effects of abnormal hematocrit, electrochemical interferences, and endogenous metabolites to provide accurate results.

The following list of citations are from peer-reviewed publications and presentations delivered at national and international meetings where the performance of StatStrip Glucose has been evaluated in a variety of critical care settings and diverse patient populations.

Over 200 studies of analytical performance have been published to date. **No clinical interferences have been found.**

These studies were conducted at some of the most prestigious hospitals and diabetes centers in the world and **prove that Nova Biomedical's StatStrip glucose sensor technology significantly improves accuracy by eliminating hematocrit and other interferences.**

Study sites include many highly respected names in the medical community:

- Mayo Clinic College of Medicine, Rochester, Minnesota
- The Johns Hopkins University School of Medicine, Baltimore, Maryland
- University of Toronto Sunnybrook Health Sciences Centre, Toronto, Canada
- Addenbrook's Hospital, Cambridge University Hospitals, United Kingdom
- University Hospital of Wales, Cardiff, Wales
- Isala Klinieken, Zwolle, Netherlands; Saint-Pierre Hospital, Brussels, Belgium
- Saitama Medical University, Saitama, Japan

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Adult Critical and Intensive

1. Bhansali D, Chima HS, Peretti AR, Ramarajan V. Comparative testing for better glycemetic control. *Lab Medicine*. 2009;40:478–481. doi:10.1309/LMGKXR9UY79FRKFS
2. Calderwood R, Bailie R, McBride P, Scott K, Ryan M. Impact of analytical performance of point of care (POCT) blood glucose meters on application of a ‘tight glycaemic control’(TGC) protocol in an intensive care unit setting. Poster session presented at the meeting of the European Congress of Clinical Chemistry and Laboratory Medicine, Berlin, Germany, May 2011.
3. Castaño López MÁ, Fernández de Liger Serrano JL, Robles Rodríguez JL, Márquez Márquez T. Validation of a glucose meter at an intensive care unit. *Endocrinología y Nutrición*. 2012;59:28–34. doi:10.1016/j.endoen.2011.08.003
4. Chan PC, Rozmanc M, Seiden-Long I, Kwan J. Evaluation of a point-of-care glucose meter for general use in complex tertiary care facilities. *Clinical Biochemistry*. 2009;42:1104–1112. doi:10.1016/j.clinbiochem.2009.03.023
 - Poster session presented at the *American Association of Clinical Chemistry*, Critical and Point-of-Care Testing, Barcelona, Spain, September 2008
5. Chan PC, Rozmanc M, Seiden-Long I, Kwan J. Evaluation of a point-of-care glucose meter for general use in complex tertiary care facilities. *Clinical Biochemistry*. 2009;42:1104–1112. doi:10.1016/j.clinbiochem.2009.03.023
6. Comparison of the Nova Biomedical StatStrip Glucose Meter to an Isotope Dilution Mass Spectrometry Hexokinase Glucose Method in Oncology and Renal - Insufficient Patients: Demonstration of Utility in Critically Ill Patients. 2015 Diabetes Technology Meeting Abstracts, *Journal of Diabetes Science and Technology*. 2016;10(2):476-611. doi:10.1177/1932296816639698
7. Creed GM, Fox TJ, Beale RJ. (2011). Point-of-care glucose monitoring in a critical care setting: Evaluation of a new maltose independent chemistry Accu-Chek INFORM II, Nova StatStrip, and Abbott Medisense PXP. *Point of Care*. 2011;10:7–16. doi:10.1097/POC.0b013e318207813b
8. Creed GM. Can a new level of clinical accuracy be achieved with POC glucose meters in an ICU setting? Poster session presented at the meeting of the *European Society of Intensive Care Medicine*, Vienna, Austria, October 2009.
9. Creed GM. Nova StatStrip®: Could this device be used to effectively implement tight glycaemic control and triage blood glucose and insulin management in critical illness (device evaluation compared to Roche Cobas b221 reference methodology)? Poster session presented at the meeting of the European Congress of Clinical Chemistry and Laboratory Medicine, Innsbruck, Austria, June 2009.
10. Dubois J et al. Bedside Glucose Monitoring—Is it Safe? A New, Regulatory-Compliant Risk Assessment Evaluation Protocol in Critically Ill Patient Care Settings. *Crit Care Med* 2017;45:567-574. doi: 10.1097/CCM.0000000000002252.
11. DuBois J A, Malic A. “The StatStrip Glucose Hospital Meter System. Point-of-Care Testing in Critically Ill Patients.” *Point of Care*. 2017;16,1:51-54.
12. DuBois JA, Lyon ME, Lyon AW, Slingerland RJ, Fokkert M, Roman A, Sartori D. et al. Comparison of four models for assessing insulin dosing error when a blood glucose monitoring system is used in various patient populations. Poster session presented at the meeting of the American Association for Clinical Chemistry, Critical and Point-of-Care Testing Division, San Diego, CA, September 2014.
13. DuBois JA, Malic A. “Off-Label” Use of Blood Glucose Monitoring Systems in Critically Ill Patients. *Medical Laboratory Observer*. 2017;49,7:67-69.
14. DuBois, JA. The FDA Reviews Guidelines for Capillary Glucose Testing in Critically Ill Patients. *Medical Laboratory Observer*. 2018;50,7:50-53.
15. Fokkert M, Slootstra J, Dollamoursid R, Witteveen C, Muller W, Slingerland R. Traceability and accuracy evaluation of POC StatStrip glucose meter and ABL 835 blood gas analyzer to a primary ID-GCMS aligned reference measurement procedure. Poster session presented at the meeting of the American Association for Clinical Chemistry, Critical and Point-of-Care Testing Division, San Diego, CA, September 2014.

16. Germagnoli L, Bonini P, DuBois JA, Bierens de Haan J, Tartarotti C. Suitability assessment of a new bedside interference free glucose system for use in critical care when compared to current technology. Poster session presented at the meeting of the American Association for Clinical Chemistry, Critical and Point-of-Care Testing Division, Barcelona, Spain, September 2008.
17. Germagnoli L, Bonini P, DuBois JA, Bierens de Haan J, Tartarotti C. Suitability assessment of a new bedside interference-free glucose system for use in critical care when compared with current technology. *Point of Care*. 2019;8:96–100. doi:10.1097/POC.0b013e3181b19170
18. Godwin Z, Bockhold J, Bomze L, Tran N. Hematocrit effects leads to inadequate glycemic control and insulin dosing in adult burn patients. Poster session presented at the meeting of the American Association for Clinical Chemistry, Los Angeles, CA, July 2012.
19. Hikasa Y, Egi M, Kimura S, Nishie H, Morita K. Reliability of blood glucose measurement using a novel point-of-care glucometer (StatStrip) in postoperative critically ill patients. 2012.
20. Hopf S, Graf B, Gruber M. Comparison of point-of-care testing glucose results from intensive care patients measured with network-ready devices. *Diabetes Technology & Therapeutics*. 2011;13:1047–1056. doi:10.1089/dia.2011.0051
21. Ivanov A. The Nova StatStrip glucose meter evaluation in intensive care unit. Poster session presented at the meeting of the American Association for Clinical Chemistry, Los Angeles, CA, July 2012.
22. Kaneda T, Urimoto G, Ando A, Kan T, Suzuki T. Evaluation of the accuracy of new glucose meter during cardiopulmonary bypass in open h[e]art surgery. Poster session presented at the meeting of the Anesthesiology Annual Meeting, October 2010.
23. Kaneda T, Urimoto G, Suzuki T. Interference by some drugs used during cardiopulmonary-bypass (CPB) in open heart surgery on three glucose measurement devices. Poster session presented at the meeting of the American Society of Anesthesiologists, Chicago, IL, October 2011.
24. Karon BS, Blanshan CT, Deobald GR, Wockenfus AM. Retrospective evaluation of the accuracy of Roche AccuChek Inform and Nova StatStrip glucose meters when used on critically ill patients. *Diabetes Technology & Therapeutics*. 2014;16(12):828-832. doi:10.1089/dia.2014.0074
25. Karon BS, Bryant SK. Impact of glucose meter accuracy on the efficacy of glycemic control in critically ill patients after cardiovascular surgery. Poster session presented at the meeting of the American Association for Clinical Chemistry, Critical and Point-of-Care Testing Division, San Diego, CA, September 2014.
26. Karon BS, Donato LJ, Larsen CM, Siebenaler LK, Wells AE, Wood-Wentz CM, Shirk-Marienau ME, Curry TB. Accuracy of Capillary and Arterial Whole Blood Glucose Measurements Using a Glucose Meter in Patients under General Anesthesia in the Operating Room. *Anesthesiology*. 2017;127,3:466-74.
27. Karon BS, Koch CD, Wockenfus AM, Brown JK. Accuracy of whole blood glucose measurement when venous catheter blood samples are used on glucose meters. *Diabetes Technology & Therapeutics*. 2009;11:819–825. doi:10.1089/dia.2009.0074
28. Karon BS, Meeusen JW, Bryant SC. Impact of Glucose Meter Error on Glycemic Variability and Time in Target Range During Glycemic Control after Cardiovascular Surgery. *Journal of Diabetes Science and Technology*. 2016;10,6:336-42.
29. Koyama K, Miyao H, Ikeda H, Fukuyama T, Harashima N, Tamura M, DuBois JA. et al. Evaluation of glucose meter performance in an adult intensive care unit: Comparison of total analytical error versus ISO 15197:2003. *Critical Care Medicine*. 2012;39(12):225
 - Poster session presented at the meeting of the Society of Critical Care Medicine, Houston, TX, February 2012.
30. Malic A, Lyon ME, Lyon A W, Slingerland RJ, Fokkert M, Roman A, DuBois J A. et al. International multi-site evaluation of a hospital POC blood glucose monitoring system in critically ill patients: Assessment of clinical risk using insulin dosing error models. Poster session presented at the meeting of Werkgroep POCT van de Nationale Commissie Klinische Biologie, Antwerp, Belgium, October 2014.

31. Mann EA, Mora AG, Pidcoke HF, Wolf SE, Wade CE. Glycemic Control in the Burn Intensive Care Unit: Focus on the Role of Anemia in Glucose Measurement. *Journal of Diabetes Science and Technology*. 2009;3(6):1319-1329. doi:10.1177/193229680900300612
32. Mann EA, Pidcoke HF, Salinas J, Jones J, Holcomb JB, Wolf SE, Wade CE. Hematocrit effect outweighs other sources of glucometer error in critical care. *Crit Care Med*. 2007;35,12:A140.
 - Poster session presented at the meeting of the *Society of Critical Care Medicine*, Honolulu, HI, February 2008.
33. Rice MJ, Smith JL, Coursin DB. Glucose Measurement in the ICU: Regulatory Intersects Reality. *Critical Care Medicine*. 2017;45(4):741-743. doi:10.1097/CCM.0000000000002274
34. Roman A, Claus M, Hanicq C, Piersoel V, Flament P, Stevens E, El Mahi T. et al. Comparative evaluation of accuracy of three point-of-care glucometers in an adult ICU. Poster session presented at the meeting of the European Society of Intensive Care Medicine, Vienna, Austria, October 2009.
35. Roman A, DuBois J A, Lyon M. Improved blood glucose levels achieved in ICU patients using hematocrit corrected glucose meter and blood gas analyzer results. *Diabetes Technology & Therapeutics*. 2011;13(2):247-48.
 - Poster session presented at the meeting of Advanced Technologies & Treatments for Diabetes, London, UK, February 2011.
36. Roman A, Hanicq C, Flament P, El Mahi T, Stevens E, Vertongen F. Comparison of accuracy of a glucometer and a blood gas analyser in an adult ICU: The StatStrip Nova Biomedical fulfils TGC requirements. *Critical Care*. 2008;12(2):S65.
 - Poster session presented at the meeting of the *American Association for Clinical Chemistry*, Critical and Point-of-Care Testing Division, Barcelona, Spain, September 2008.
37. Roman A, Hanicq C, Flament P, El Mahi T, Vertongen F, Stevens E. Comparison of accuracy of three point-of-care glucometers in an adult ICU. Poster session presented at the meeting of the department of Intensive Care Emergency Medicine of Erasme University Hospital, Université Libre de Bruxelles, and the Belgian Society of Intensive Care and Emergency Medicine, Brussels, Belgium, March 2008.
38. Sartori D, Petrides A, Crutchfield C, Soto L, Berk L, Baxi A, Clarke W. et al. Comparison of the Nova Biomedical StatStrip glucose meter to an IDMS hexokinase glucose method in oncology and renal insufficiency patients – Demonstration of utility in critically ill patients. Poster session presented at the meeting of the American Association for Clinical Chemistry, Critical and Point-of-Care Testing Division, San Diego, CA, September 2014.
39. Scott R, Karon BS, Griesmann L, Bryant SC, DuBois JA, Shirey TL, Santrach PJ. et al. Comparison of four hospital based glucose meter technologies for accuracy, precision, and interference encountered in critically ill patients. Poster session presented at the meeting of the American Association for Clinical Chemistry, San Diego, CA, July 2007.
40. Seley JJ, Diaz R, Greene R. “Blood Glucose Meters in Icus. Controversies Surround Potential Restrictions on Their Off-Label Use.” *AJN The American Journal of Nursing*. 2016;116,4:46-49.
41. Tuca A, Schober M-M, Korsatko S, Mader J, Bauer G, Smolle K-H, Wurzer P, Ellmerer M, Peiber T -R. Evaluation of three point of care glucose-meters in critically ill patients at a medical intensive care unit. *Wiener klinische Wochenschrift*. 2014;126:S193-S193
 - Poster session presented at the *Österreichischen Diabetes Gesellschaft [Austrian Diabetes Association]* in Salzburg, Austria, November 2015.
42. Urimoto G, Kaneda T, Suzuki T. Is glucose measurement affected by the anesthetics? Poster session presented at the meeting of the American Society of Anesthesiology, Chicago, IL, October 2011.
43. Weidner MA, Flenniken M. Evaluation of point of care bedside glucose monitors for use in a specialty and transplant hospital. Poster session presented at the meeting of the *Diabetes Technology Society*, San Diego, CA, October 2010.

Adult Clinical

44. Adlan NA, De Toress M, Barlas M, Hussain N, Owaidah TM. A method comparison study to compare major-market point-of-care (POC) hospital glucose meters at King Faisal Specialist Hospital & Research Centre, Kingdom of Saudi Arabia. Poster session presented at the meeting of the International Federation of Clinical Chemistry and Laboratory Medicine, Istanbul, Turkey, June 2014.
45. Al Humaidan N, Al Hayek A, Saleh J, Al Saeed A, Al Onazi A, Subki S. Comparison of three point of care meters for accuracy, precision, and interferences at Prince Sultan Military Medical City. Poster session presented at the meeting of the International Federation of Clinical Chemistry and Laboratory Medicine, Istanbul, Turkey, June 2014.
46. Bigot E, Guérin M, Orsonneau J, Dudouet D. Influence of pO₂ and hematocrit values on glycaemia measured by point of care testing (POCT) glucometers. Poster session presented at the meeting of the European Congress of Clinical Chemistry and Laboratory Medicine, Berlin, Germany, May 2011.
47. Božičević S, Lovrenčić MV, Biljak VR, Medvidović EP. Accuracy of the Nova StatStrip POCT glucose analyzer for classification of fasting hyperglycaemia in high-risk individuals. Poster session presented at the meeting of the European Congress of Clinical Chemistry and Laboratory Medicine, Milan, Italy, May 2013.
48. Caputo M, Sacconi G, Fornalè M, Cenci B, Raffaelli A, Vita G, Schiesaro M. Esperienza di gestione dell'iperglicemia in pazienti ospedalizzati in area internistica [Experience of management of hyperglycemia in hospitalized patients in internal medicine area]. Poster session presented at the meeting of the Associazione Medici Endocrinologi and the American Association of Clinical Endocrinologists, Bari, Italy, November 2013.
49. Costa RF, Vivé EG, Badia AR, Corsa LL, Santos DP. Evaluación del glucómetro de uso hospitalario StatStrip (Nova) y estudio comparativo en pacientes ingresados en la uci [Evaluation of hospital use StatStrip glucometer (Nova) and comparative study in patients admitted to the ICU]. Poster session presented at the meeting of the Congreso Nacional del Laboratorio Clínico, Valencia, Spain, October 2009.
50. Cozzi L, Tartarotti C, Bonomo M, Bellavia G, Venturelli G, Marocchi A. An evaluation of the accuracy and reliability of a new generation point of care hospital glucose meter, that corrects for interference, in a general hospital setting. Poster session presented at the meeting of the Italian Society of Clinical Biochemistry and Clinical Molecular Biology, Rimini, Italy, October 2010.
51. DuBois, JA, Clarke W. "Point-of-Care Testing: An Evolving Approach to Direct Patient Care?" *Point of Care*. 2014;13,3:118-23.
52. DuBois, JA. The Role of POCT and Rapid Testing. Here Is an Overview of an Evolving Approach to Direct Patient Care. *Medical Laboratory Observer*. 2013; 45(9):18-22.
53. Fokkert M, Slingerland RJ, Muller W, Lyon M, DuBois JA, Isbell TS, Malic A. Traceability bedside glucose monitors: Traceability StatStrip bedside glucose monitor to ID-GCMS and concordance to the clinical laboratory ID-GCMS aligned hexokinase method. Poster session presented at the meeting of Advanced Technologies & Treatments for Diabetes, Vienna, Austria, February 2014.
54. Jday-Daly I, Augereau-Vacher C, De Curraize C, Fonfrède M, Lefevre G, Lacour B, Hennequin-Le Meur C. (2011). Évaluation multicentrique de la fiabilité de cinq lecteurs de glycémie [Multicenter evaluation of the reliability of five blood glucose monitoring systems]. *Annales de Biologie Clinique*. 2011;69:55–61. doi:10.1684/abc.2010.0509
55. Koch CD, Wockenfus AM, Wangen TM, Sievers BA, Brown JK, Karon BS. Use of samples from indwelling venous catheters for glucose meter testing. *Clinical Chemistry*. 2009;55(6):A100.
56. Kost GJ, Tran NK, Louie RF, Gentile NL, Abad VJ. Assessing the performance of handheld glucose testing for critical care. *Diabetes Technology & Therapeutics*. 2008;10:65–71. doi:10.1089/dia.2008.0049
57. Kyi M, Colman PG, Wraight PR, et al. Early Intervention for Diabetes in Medical and Surgical Inpatients Decreases Hyperglycemia and Hospital-Acquired Infections: A Cluster Randomized Trial. *Diabetes Care*. 2019;42(5):832-840. doi:10.2337/dc18-2342
58. Kyi M, Wraight PR, Rowan LM, Marley KA, Colman PG, Fourlanos S. Glucose alert system improves health professional responses to adverse glycaemia and reduces the number of hyperglycaemic episodes in non-critical care inpatients. *Diabetic Medicine*. 2018;35(6):816-823. doi:10.1111/dme.13623

59. MedWatch Safety Alert. Silver Spring, MD: US Food and Drug Administration; August 13, 2009.
60. Ogawa T, Murakawa M, Matsuda A, Kanozawa K, Kato H, Hasegawa H, Mitarai T. Endogenous factors modified by hemodialysis may interfere with the accuracy of blood glucose-measuring device. *Hemodialysis International*. 2012;16(2):266-273. doi:10.1111/j.1542-4758.2011.00640.x
61. Pidcoke HF, Wade CE, Mann EA, Salinas J, Cohee BM, Holcomb JB, Wolf SE. Anemia causes hypoglycemia in intensive care unit patients due to error in single-channel glucometers: Methods of reducing patient risk. *Critical Care Medicine*. 2010;38:471–476. doi:10.1097/CCM.0b013e3181bc826f
62. Rensburg MA, Van S, Hudson C, Erasmus RT, Hoffman M. Evaluation and performance of StatStrip® glucose meter. Poster session presented at the meeting of the American Association for Clinical Chemistry, Critical and Point-of-Care Testing Division, Prague, Czech Republic, October 2012.
63. Russell D, Bohnsack M. Evaluation and implementation of the Nova StatStrip bedside glucose monitor for patients undergoing cardiopulmonary by-pass graft surgery (CABG). *Point of Care*. 2010;9(3):144-45
 - Poster session presented at the meeting of the American Association for Clinical Chemistry, Critical and Point-of-Care Testing Division, Boston, MA, September 2010.
64. Scandinavian Evaluation of Laboratory Equipment for Primary Health Care [SKUP]. Nova StatStrip glucose and β -ketone hospital meter system: A report from an evaluation of glucose measurement organized by SKUP. SKUP/2013/85. 2013.
65. Schöndorf T, Gunther-Wahl H, Steigerwald U, Langer C, Forst T, Pfützner A. A multi-site analytical assessment of a new hospital POC glucose meter for accuracy, precision, correlation, and interferences encountered in hospitalized patients. Poster session presented at the meeting of the Diabetes Technology Society, San Francisco, CA, November 2009.
66. Tran NK, Godwin ZR, Bockhold JC, Passerini AG, Cheng J, Ingemason M. Clinical impact of sample interference on intensive insulin therapy in severely burned patients: A pilot study. *Journal of Burn Care & Research*. 2014;35:72–79. doi:10.1097/BCR.0b013e31829b3700
67. Tran NK, Godwin ZR, Bockhold JC, Passerini AG, Cheng J, Ingemason M. Clinical impact of sample interference on intensive insulin therapy in severely burned patients: A pilot study. Poster session presented at the meeting of the American Burn Association, Palm Springs, CA, April 2013.

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68. Christoph J, Siegel J, Kattner E. Accuracy and reliability of a new generation glucose meter in a neonatal intensive care unit. Poster session presented at the meeting of the International Congress of Pediatric Laboratory Medicine, Berlin, Germany, May 2011.
69. Beardsall K, Thomson L, Elleri D, Dunger DB, Hovorka R. Feasibility of automated insulin delivery guided by continuous glucose monitoring in preterm infants. *Arch Dis Child Fetal Neonatal Ed*. 2020;105(3):279-284. doi:10.1136/archdischild-2019-316871
70. Dalisay A, Seamonds B, Gong Y. Correlation of glucose methodologies-Nova Biomedical StatStrip versus Radiometer ABL 90. *Point of Care*. 2014;13:70–71. doi:10.1097/POC.0000000000000018
71. Ivanov A. Comparison of hospital glucose meters in neonatal care unit. Poster session presented at the meeting of the American Association for Clinical Chemistry, Critical and Point-of-Care Testing Division, Prague, Czech Republic, October 2012.
72. Malic A, Thomas A, Lyon ME, Slingerland R, Pearson J, DuBois JA. Multi-site evaluation of point of care glucose meters in a neonatal intensive care unit. Poster session presented at the meeting of the 23rd International Symposium on Neonatal Intensive Care, Milan, Italy, October 2008 and Nordic Congress in Clinical Chemistry, Oslo, Norway, June 2010.

73. Nuntnarumit P, Chittamma A, Pongmee P, Tangnoo A, Goonthon S. Clinical performance of the new glucometer in the nursery and neonatal intensive care unit. *Pediatrics International*. 2011;53:218–223. doi:10.1111/j.1442-200X.2010.03214.x
74. Raizman J, Henderson T, Shea J, Silverman S, Redmond S, Moore A, Dubois J, Adeli K. Impact of improved glucose monitoring in the neonatal intensive care unit: An evaluation of analytical and clinical performance of the point of care Nova StatStrip. *Clinical Biochemistry*. 2014;47:1154. 10.1016/j.clinbiochem.2014.06.063.
- Poster session presented at the meeting of American Association for Clinical Chemistry, Chicago, IL, 2014.
75. Slingerland R, Muller W, Fokkert M, Dollahmoursid R, Witteveen C, Munnikhuis R, Donald E. et al. The Nova StatStrip® blood glucose meter evaluation: Hematocrit dependency, method comparison, interfering substances and neonatal samples. *Point of Care*. 2008;7(3).
- Poster session presented at the meeting of the American Association for Clinical Chemistry, Critical and Point-of-Care Testing Division, Barcelona, Spain, September 2008.
76. Stahl D, Herkner KR, Pollak A, Prusa AR. Performance of the Nova StatStrip point of care blood glucose meter in a neonatal intensive care unit. *Point of Care*. 2010;9(3):126-27.
- Poster session presented at the meeting of the American Association for Clinical Chemistry, Critical and Point-of-Care Testing Division, Boston, MA, September 2010.
77. Tendl K, Christoph J, Bohn A, Herkner KR, Pollack A, Prusa AR. Performance of Nova StatStrip point of care blood glucose meter in a neonatal intensive care unit. *Biochemia Medica*. 2012;22,3:2.
78. Tendl K, Christoph J, Bohn A, Herkner KR, Pollack A, Prusa AR. Performance of Nova StatStrip point of care blood glucose meter in a neonatal intensive care unit. *Biochemia Medica*. 2012;22,3:2.
- Poster session presented at the meeting of the 2nd European Joint Congress of EFLM and UEMS, Dubrovnik, Croatia, October 2012.
 - “Certificate of Award, Poster Award” at the meeting of the 2nd European Joint Congress of EFLM and UEMS, Dubrovnik, Croatia, October 2012.
79. Thomas A, Sall S, Roberts C, Drayton M, DuBois J, Clampitt R. An evaluation of the analytical performance of a new generation hospital based glucose meter and an assessment of its clinical reliability in a neonatal care unit. Poster session presented at the meeting of the American Association for Clinical Chemistry, Critical and Point-of-Care Testing Division, Barcelona, Spain, September 2008.
80. Thomas A, Sall S, Roberts C, Drayton M, DuBois J, Clampitt R. An evaluation of the analytical performance of a new-generation hospital-based glucose meter and an assessment of its clinical reliability in a neonatal care unit. *Point of Care*. 2009;8:68–73. doi:10.1097/POC.0b013e3181a4c94e
81. Tran NK, Godwin ZR, Steele AN, Wolf SE, Palmieri TL. Clinical Impact of Accurate Point-of-Care Glucose Monitoring for Tight Glycemic Control in Severely Burned Children. *Pediatric Critical Care Medicine*. 2016;17(9):e406-e412. doi:10.1097/PCC.0000000000000877

Neonatal and Pediatric Clinical

82. Agus MS, Hirshberg E, Srinivasan V, et al. Design and rationale of Heart and Lung Failure - Pediatric INSulin Titration Trial (HALF-PINT): A randomized clinical trial of tight glycemic control in hyperglycemic critically ill children. *Contemporary Clinical Trials*. 2017;53:178-187.
83. Agus MS, Steil GM, Wypij D, Costello JM, Laussen PC, Langer M, Alexander JL, et al. Tight glycemic control versus standard care after pediatric cardiac surgery. *New England Journal of Medicine*. 2012;367(13):1208-1219. doi:10.1056/NEJMoa1206044
84. Agus MS, Wypij D, Hirshberg EL, Srinivasan V, Faustino EV, Lockett PM, Alexander JL, et al. Tight Glycemic Control in Critically Ill Children. *New England Journal of Medicine*. 2017;376(8):729-741. doi:10.1056/NEJMoa1612348

85. Ba Y, Xu J, Yuan L, Zhu H, Yang Y, Lam MM, et al. Assessment of the performance of blood glucose monitoring systems for monitoring dysglycaemia in neonatal patients. *BMJ Paediatr Open*. 2018;2(1):e000339. Published 2018 Oct 23. doi:10.1136/bmjpo-2018-000339
86. Dietzen DJ, Wilhite TR. Evaluation of the Nova StatStrip® blood glucose monitoring system in neonates. Poster session presented at the meeting of the American Association for Clinical Chemistry, San Diego, CA, July 2007.
87. Fokkert M, Slingerland R. Performance of Nova StatStrip Glucose Meter in Newborns. Poster session presented at the American Association for Clinical Chemistry, Critical and Point-of-Care Testing, San Diego, CA, September 2014.
88. Fokkert M, Slingerland, RJ. Performance of Nova StatStrip glucose meter in newborns. Poster session presented at the meeting of the American Association for Clinical Chemistry, Critical and Point-of-Care Testing Division, San Diego, CA, September 2014.
89. Fokkert M, van Dijk J, Slingerland R. Performance of Nova StatStrip glucose meters in newborn. Poster session presented at the meeting of the Diabetes Technology Society, Barcelona, Spain, November 2011.
90. Harris DL, Weston PJ, Harding JE. Lactate, rather than ketones, may provide alternative cerebral fuel in hypoglycaemic newborns. *Disease in Childhood. Fetal and Neonatal Edition*. 2015;100(2):F161-F164. doi:10.1136/archdischild-2014-306435
91. LeSourd S, Fortune L, Sanderson K, Wood B, Hall RW, Bornhorst J A. Comparative evaluation of three point-of-care glucose meters with neonatal patient samples exhibiting varied hematocrit and triglyceride concentrations. Poster session presented at the meeting of the American Association for Clinical Chemistry, Chicago, IL, July 2009.
92. Lockyer MG, Fu K, Edwards RM, Collymore L, Thomas J, Hill T, Devaraj S. Evaluation of the Nova StatStrip glucometer in a pediatric hospital setting. *Clinical Biochemistry*. 2014;47(9):840-843. doi:10.1016/j.clinbiochem.2014.01.004
93. Makaya T, Memmott A, Bustani P. Point-of-care glucose monitoring on the neonatal unit. *Journal of Pediatrics and Child Health*. 2012;48:342–346. doi:10.1111/j.1440-1754.2011.02253.x
94. Nangia S. Point of care estimation of blood glucose in neonates. *Indian Pediatrics*. 2012;49(8):612–613.
95. Ngerincham S, Piriyanimit S, Kolatat T, Inchgarm L, Kitsommart R, Jeerapaet K., et al. Validity of two point-of-care glucometers in the diagnosis of neonatal hypoglycemia. *Indian Pediatrics*. 2012;49(8):621–625.
96. Platt M W. Lactate, Glucose and the Neonatal Brain: It's Time to Challenge the Paradigm. *Archives Of Disease in Childhood-Fetal and Neonatal Edition*. 2015;100(2):F96-F97. doi:10.1136/archdischild-2014-307236
97. Raizman JE, Shea J, Daly CH, et al. Clinical impact of improved point-of-care glucose monitoring in neonatal intensive care using Nova StatStrip: Evidence for improved accuracy, better sensitivity, and reduced test utilization. *Clinical Biochemistry*. 2016;49(12):879-884. doi:10.1016/j.clinbiochem.2016.05.002
98. Thomas F, Signal M, Harris DL, Weston PJ, Harding JE, Shaw GM, Chase JG. Continuous glucose monitoring in newborn infants: how do errors in calibration measurements affect detected hypoglycemia?. *Journal of Diabetes Science and Technology*. 2014;8(3):543-550. doi:10.1177/1932296814524857
99. Wada Y, Nakamura T, Kaneshige M, et al. Evaluation of two glucose meters and interference corrections for screening neonatal hypoglycemia. *Pediatrics International*. 2015;57(4):603-607. doi:10.1111/ped.12543
100. Wang L, Sievenpiper JL, de Souza RJ, Thomaz M, Blatz S, Grey V, Fusch C, Balion C. Hematocrit correction does not improve glucose monitor accuracy in the assessment of neonatal hypoglycemia. *Clinical Chemistry and Laboratory Medicine*. 2013;51:1627–1635. doi:10.1515/cclm-2012-0436

Diabetes

101. Biljak VR, Božičević S, Lovrenčić MV, Car N. Performance of the StatStrip glucose meter in inpatient management of diabetes mellitus. *Diabetologia Croatica*. 2010;39(3):105–110.

- 102.Božičević S, Biljak VR, Pavković P, Milic V, Lovrenčić MV. Performance of the StatStrip glucose hospital meter in patients with diabetic nephropathy. *Clinical Chemistry Laboratory Medicine*. 2011;49(S1):874.
- Poster session presented at the meeting of the European Congress of Clinical Chemistry and Laboratory Medicine, Berlin, Germany, May 2011.
- 103.Lindquist KA, Chow K, West A, Pyle L, Isbell T S, DuBois J A, Nadeau K J. et al. The StatStrip® glucose monitor is suitable for use during hyperinsulinemic euglycemic clamps in a pediatric population. *Diabetes Technology & Therapeutics*. 2014;16,5:298-302.
- Poster session presented at the meeting of Advanced Technologies & Treatments for Diabetes, Vienna, Austria, February 2014.
- 104.Lovrenčić MV, Biljak RV, Božičević S, Car N. Performance of the StatStrip POCT analyzer in detecting hypoglycaemic episodes in diabetic patients. *Biochemia Medica*. 2012;22(3):A84
- Poster session presented at the meeting of the European Joint Congress, Dubrovnik, Croatia, October 2012.
- 105.Lovrenčić MV, Biljak RV, Pape-Medvidović E, Božičević S. Beyond monitoring: Validation of the StatStrip glucose meter as a diagnostic tool for diabetes mellitus. Poster session presented at the meeting of Advanced Technologies & Treatments for Diabetes, Paris, France, February 2013.
- 106.Lovrenčić MV, Božičević S, Biljak VR, Marković I, Prašek M. Diagnosing gestational diabetes mellitus: A new challenging task for the Nova-StatStrip POC glucose analyzer. Poster session presented at the meeting of the International Federation of Clinical Chemistry and Laboratory Medicine, Istanbul, Turkey, June 2014.
- 107.Petersmann A, Kallner A, Blaurock M, Nauck M. Glucose measurements in diagnosis and monitoring of patients with diabetes mellitus: Comparison of assay performance of patient near testing and core-lab methods. Poster session presented at the meeting of the German Society for Clinical Chemistry and Laboratory Medicine, Dresden, Germany, October 2013.
- 108.Rabiee A, Magruder JT, Grant C, Salas-Carrillo R, Gillette A, DuBois J, Elahi D. et al. Accuracy and reliability of the Nova StatStrip® glucose meter for real-time blood glucose determinations during glucose clamp studies. *Journal of Diabetes Science and Technology*. 2010;4(5):1195–1201.
- 109.Rensburg MA, Hudson C, Erasmus RT. Evaluation and performance of StatStrip glucose meter. *Point of Care*. 2014;13:137–141. doi:10.1097/POC.000000000000037
- 110.Rice MJ, Coursin DB. Glucose Meters: Here Today, Gone Tomorrow?. *Critical Care Medicine*. 2016;44(2):e97-e100. doi:10.1097/CCM.0000000000001389
111. Vučić Lovrenčić M, Radišić Biljak V, Božičević S, Pape-Medvidović E, Ljubić S. Validation of point-of-care glucose testing for diagnosis of type 2 diabetes. *International Journal of Endocrinology*. 2013;2013:206309. doi:10.1155/2013/206309
- 112.Yamashita K, Shirai H, Kuwa K. Comparative analysis of capillary whole blood by 2 blood glucose monitoring systems (BGMS) with venous plasma hexokinase glucose results in patients undergoing an oral glucose tolerance test (OGTT). Poster session presented at the meeting of the American Association for Clinical Chemistry, Critical and Point-of-Care Testing Division, San Diego, CA, September 2014.

Dialysis

- 113.Bewley B, O’Rahilly S, Tassell R. Improved POC meter accuracy for monitoring and managing glucose levels in dialysis patients. Poster session presented at the meeting of the European Congress of Clinical Chemistry and Laboratory Medicine, Innsbruck, Austria, June 2009.
- 114.Bewley B, O’Rahilly S, Tassell R, DuBois J, Donald E. Evaluation of the analytical specificity and clinical application of a new generation hospital-based glucose meter in a dialysis setting. *Point of Care*. 2009;8:61–67. doi:10.1097/POC.0b13e3181a4c4f4

115. Bewley B, O’Rahilly S, Tassell R, DuBois J, Donald E. An evaluation of analytical specificity and clinical application of a new generation hospital based glucose meter in a dialysis setting. Poster session presented at the meeting of the American Association for Clinical Chemistry, Critical and Point-of-Care Testing Division, Barcelona, Spain, September 2008.
116. Galović R, Baršić I, Rogić D. Evaluation of maltose interference on hospital-based glucose meters and their accuracy in a peritoneal dialysis context. Poster session presented at the meeting of the International Federation of Clinical Chemistry and Laboratory Medicine, Istanbul, Turkey, June 2014.
117. Ogawa T, Murakawa M, Matsuda A, Kanozawa K, Kato H, Hasegawa H, Mitarai T. Endogenous factors modified by hemodialysis may interfere with the accuracy of blood glucose measuring device. *Hemodialysis International*. 2012;16:266–273. doi:10.1111/j.1542-4758.2011.00640.x
118. Perera NJ, Stewart PM, Williams PF, Chua EL, Yue DK, Twigg SM. (2011). The danger of using inappropriate point-of-care glucose meters in patients on icodextrin dialysis. *Diabetes Medicine*. 2011;28:1272–1276. doi:10.1111/j.1464-5491.2011.03362.x

Analytical

119. Adlan NA, De Toress M, Barlas M, Hussain N, Owaidah TM. Analytical performance study to review the effects of specific substances interference on different glucose meters at King Faisal Hospital and Research Centre, Riyadh/ Saudi Arabia. Poster session presented at the meeting of the International Federation of Clinical Chemistry and Laboratory Medicine, Istanbul, Turkey, June 2014.
120. Ahmad E. A method comparison and analytical performance study to assess the performance of two point-of-care glucose meters against the laboratory reference method. Poster session presented at the meeting of the American Association for Clinical Chemistry, Critical and Point-of-Care Testing Division, San Diego, CA, September 2014.
121. Bewley B, O’Rahilly S, Tassell R, DuBois J, Clampitt R. Comparison of four hospital based glucose meter technologies for accuracy, precision and interferences encountered in hospitalized patients. Poster session presented at the meeting of the European Congress of Clinical Chemistry and Laboratory Medicine, Amsterdam, Netherlands, June 2007.
122. Brouwer N, Tegelaers FP. The effect of interfering substances in point of care glucose measurements. *Clinical Chemistry Laboratory Medicine*. 2011;49.
123. Brouwer N, Tegelaers FP. Vergelijking van vier point of care glucose meters met de laboratoriummethode: Correlatie en interferenties [Comparison of four point-of-care blood glucose meters with the laboratory method: Correlation and interferences]. *Ned Tijdschr Klin Chem Labgeneesk*. 2011;36(4):239–242.
- Poster session presented at the meeting of the European Congress of Clinical Chemistry and Laboratory Medicine, Berlin, Germany, May 2011.
124. Ceriotti F, Kaczmarek E, Guerra E, Mastrantonio F, Lucarelli F, Valgimigli F, Mosca A. “Comparative Performance Assessment of Point-of-Care Testing Devices for Measuring Glucose and Ketones at the Patient Bedside.” *Journal of Diabetes Science and Technology*. 2015;9,2:268-77
125. Chittamma, A, DuBois J A, Shirey T, Heinz M, Santanirand P, Chaichanajarenkul U, Vanavanan S. Performance of StatStrip® meter. Poster session presented at the meeting of the European Congress of Clinical Chemistry and Laboratory Medicine, Amsterdam, Netherlands, June 2007.
126. Cho J, Ahn S, Yim J, Cheon Y, Jeong SH, Lee S-G, Kim J-H. Influence of Vitamin C and Maltose on the Accuracy of Three Models of Glucose Meters. *Annals of Laboratory Medicine*. 2016;36(3):271-274. doi:10.3343/alm.2016.36.3.271
127. Christoph J, Malic A, Sander J, Kattner E. Galactose-interference on POCT glucose analysis. *Pediatric Research*. 2010;68:517. doi:10.1203/00006450-201011001-01042

128. Christoph J, Sander J, Kattner E. Galactose interference on POCT glucose analysis. Poster session presented at the meeting of the American Association for Clinical Chemistry, Critical and Point-of-Care Testing Division, Boston, MA, September 2010.
129. Clarke W, DuBois JA. "Potential Conflict between Analytical Performance Standards and Clinical Safety and Efficacy of Whole Blood Glucose Measurement Devices [Editorial]." *Point of Care*. 2014;13,3:107-11.
130. Clausen D. Haematocrit interference in blood glucose monitors, a real problem in acute hospital settings. Poster session presented at the meeting of the Australasian Association of Clinical Biochemists, Brisbane, Australia, September 2009.
131. Cruthis S. Development and use of a methodology for the evaluation and implementation of POCT devices. Poster session presented at the meeting of the American Association for Clinical Chemistry, Critical and Point-of-Care Testing Division, Boston, MA, September 2010.
132. de Mol P, Krabbe H G, de Vries S T, Fokkert M J, Dikkeschei B D, Rienks R, Bilo H J. et al. Accuracy of handheld blood glucose meters at high altitude. *PLOS ONE*. 2010;5:e15485. doi:10.1371/journal.pone.0015485
133. Diagnostics, Roche. "Accu-Chek Inform II: Test Strips and 1 Code Key [Package Insert]." Roche Diagnostics. 2013.
134. DuBois, J A, Karon B S, Greismann L, Scott R, Santrach P J, Dietzen DJ, Wilhite T R, et al. A Multi-Site Comparison of Bedside Glucose Meter Technologies for Accuracy, Precision, Correlation, and Interferences Encountered in Hospitalized Patients. Poster session presented at the European Association for the Study of Diabetes, Amsterdam, Netherlands, September 2007.
135. Ekhlaspour L, Mondesir D, Lautsch N, et al. Comparative Accuracy of 17 Point-of-Care Glucose Meters. *Journal of Diabetes Science and Technology*. 2017;11(3):558-566. doi:10.1177/1932296816672237
136. Friederichs B, Younessi-Sinaki G, Aust P, DuBois J A, Wahl H G. Analytical performance of an interference-resistant glucose meter." *Point of Care*. 2008;7:3.
- Poster session presented at the meeting of the American Association for Clinical Chemistry, Critical and Point-of-Care Testing Division, Barcelona, Spain, September 2008.
137. Gijzen K, Moolenaar D, Weusten J, Pluim H, Demir A. Is there a suitable point-of-care glucose meter for tight glycemic control? Evaluation of one home-use and four hospital-use meters in an intensive care unit. *Clinical Chemistry and Laboratory Medicine*. 2012;50,11:1985-1992. doi:10.1515/cclm-2012-0104
138. Goudable J, Pollet J, DuBois J A. Inexactitude des lecteurs de glycémie. Correction automatique pour les variations de l'hématocrite et la présence d'interférents exogènes [Inaccuracy of glucose meters. Automatic correction for hematocrit variations and the presence of exogenous interfering components]. *Annales de Biologie Clinique*. 2008;66:647-655. doi:10.1684/abc.2008.0279
139. Havelková E, Dušková D, Jabor A, Franeková J, Komínková M. Testování glukometrů a jejich porovnání [Testing blood glucose meters and their comparison]. *FONS*. 2008;18(1):36-45.
140. Herkner K, Schneider U, Rabold T, Tomasoni R. Reliability of glucose meters in hospitals in Austria. Poster session presented at the meeting of the European Congress of Clinical Chemistry and Laboratory Medicine, Innsbruck, Austria, June 2009.
141. Holtzinger C, Szlag E, DuBois J A, Shirey T L, Presti S. Evaluation of a new POCT bedside glucose meter and strip with hematocrit and interference corrections. *Point of Care*. 2008;7:1-6. doi:10.1097/POC.0b013e318162f4da
142. Howes M, Steele A N, Godwin Z, Tran N K. Comparison of glucose meter performance against three laboratory reference methods: An extensive evaluation. Poster session presented at the meeting of the American Association for Clinical Chemistry, Critical and Point-of-Care Testing Division, San Diego, CA, September 2014.
143. Isbell TS. A Review of Compliant Glucose Poct Options. *MedicalLab Management*. 2016;5,1:2-7.
144. Isgrò MA, Morelli R, Zuppi C, Scribano D. Does the analytical error in blood glucose monitoring system correlate to clinical risk? Poster session presented at the meeting of the International Federation of Clinical Chemistry and Laboratory Medicine, Istanbul, Turkey, June 2014.

145. Isgrò MA, Morelli R, Zuppi C, Scribano D. Specificity Assessment of Currently Available Glucose Meters. *Diabetes Technology & Therapeutics*. 2014;16,1:A-2.
146. Isgrò MA, Morelli R, Zuppi C, Scribano D. Specificity assessment of currently available glucose meters. Poster session presented at the meeting of Advanced Technologies & Treatments for Diabetes, Vienna, Austria, February 2013.
147. Jacobs J, Fokkert M, Slingerland R, De Schrijver P, Van Hoovels L. A further cautionary tale for interpretation of external quality assurance results (EQA): Commutability of EQA materials for point-of-care glucose meters. *Clinica Chimica Acta*. 2016;462:146-147. doi:10.1016/j.cca.2016.09.012
148. Kaczmarek E, Guerra E, Mosca A, Mastrantonio F, Lucarelli F, Valgimigli F, Ceriotti F. Comparative Assessment of the Performance of the StatStrip Point-of-Care Testing Device for the Measurement of Ketone Bodies. Poster session presented at Euromedlab, Milan, Italy, May 2013.
149. Karon BS, Griesman L, Scott R, Bryant S C, DuBois J A, Shirey T L, Santrach P J. et al. Evaluation of the impact of hematocrit and other interference on the accuracy of hospital-based glucose meters. *Diabetes Technology & Therapeutics*. 2008;10:111–120. doi:10.1089/dia.2007.0257
150. Karon BS. Glucose meter accuracy in different applications. *Point of Care*. 2017;16:(1)5-8.
151. Kelly BN, Haverstick D M, Bruns D E. Interference in a glucose dehydrogenase based glucose meter revisited [Letter to the editor]. *Clinica Chimica Acta*. 2012;413:829–830. doi:10.1016/j.cca.2012.01.023
152. Kergueno J, Sauvageot V, Allary J, Chettab L, Hamada S, Harrois A, Ferrari F, Raux M, Groupe TRAUMABASE. “Agrément Entre Les Lactacidémies Mesurées Par Méthode Portable Et Par Méthode Conventiionnelle À L’arrivée D’un Traumatisé [Agreement between the Measured Lactate Portable Method and Method Conventional to the Arrival of a Traumatized].” Poster session presented at the SFAR Le Congrès 2013 (Société Française d’Anesthésie et de Réanimation) [French Society of Anesthesia and Reanimation Congress 2013], Paris, France, September 2013.
153. Koyama K, Miyao H, Ikeda H, Fukuyama T, Harashima N, Tamura M, DuBois J A. et al. Glucose meter total analytical error associated with the hematocrit levels commonly seen in an adult intensive care unit. *Critical Care Medicine*. 2012;39(12):222.
- Poster session presented at the meeting of the Society of Critical Care Medicine, Houston, TX, February 2012.
154. Koyama K., Miyao H, Ikeda H, Fukuyama T, Harashima N, Tamura M, DuBois, JA. et al. Estimates of glucose meter total analytical error associated with chemical interferences commonly seen in an adult intensive care unit. *Critical Care Medicine*. 2012;39(12):225.
- Poster session presented at the meeting of the Society of Critical Care Medicine, Houston, TX, February 2012.
155. Kyi M, Colman PG, Rowan LM, Marley KA, Wraight PR, Fourlanos S. Glucometric Benchmarking in an Australian Hospital Enabled by Networked Glucose Meter Technology. *The Medical Journal of Australia*. 2019;211,4:175-80.
156. Lou A, Robinson V. Evaluation of Lifescan SureStep Flexx (Lifescan), Roche AccuCheck Inform II (Roche) and Nova Biomedical StatStrip glucose meters. *Clinical Biochemistry*. 2010;43:776. doi:10.1016/j.clinbiochem.2010.04.009
157. Lv H, Zhang G, Kang X, Yuan H, Lv Y, Wang W, Randall R. Factors interfering with the accuracy of five blood glucose meters used in Chinese hospitals. *Journal of Clinical Laboratory Analysis*. 2013;27:354–366. doi:10.1002/jcla.21611
158. Lyon ME, Baskin LB, Braakman S, Presti S, DuBois JA, Shirey T. Evaluation of a glucose meter with negligible hematocrit or chemical interference. Poster session presented at the meeting of the American Association for Clinical Chemistry, Washington, D.C., July 2008.
159. Lyon ME, Baskin LB, Braakman S, Presti S, DuBois JA, Shirey T. Interference studies with two hospital-grade and two home-grade glucose meters. *Diabetes Technology & Therapeutics*. 2009;11(10):641–647. doi:10.1089/dia.2009.0035

160. Lyon ME, DuBois JA, Fick GH, Lyon AW. Estimates of total analytical error in consumer and hospital glucose meters contributed by hematocrit, maltose, and ascorbate. *Journal of Diabetes Science and Technology*. 2010;4(6):1479–1494.
161. Lyon ME, DuBois JA, Fick GH, Lyon AW. Estimates of total analytical error in consumer and hospital glucose meters contributed by hematocrit, maltose, and ascorbate. Poster session presented at the meeting of the American Association for Clinical Chemistry, Critical and Point-of Care Testing Division, Boston, MA, September 2010.
162. Lyon ME, DuBois JA, Slingerland RJ, Lyon AW. Impact of the comparative method on the outcome of a glucose meter evaluation. Poster session presented at the meeting of Advanced Technologies & Treatments for Diabetes, Vienna, Austria, February 2014.
163. Lyon ME, Fokkert M, DuBois JA, Slingerland R. A mathematical model to determine the impact of non-glucose carbohydrates on the performance of blood gas analyzer glucose methods. Poster session presented at the meeting of Advanced Technologies & Treatments for Diabetes, Vienna, Austria, February 2014.
164. Lyon ME, Gray D, Baskin LB, DuBois JA, Lyon AW. A mathematical model to assess the influence of hematocrit on point of care glucose meter performance. *Clinical Biochemistry*. 2010;43:905–909. doi:10.1016/j.clinbiochem.2010.03.008
165. Lyon ME, Gray D, Baskin LB, DuBois JA, Lyon AW. Impact of patient hematocrit on glucose meter performance. Poster session presented at the meeting of the Diabetes Technology Society. San Francisco, CA, November 2009.
166. Lyon ME, Isbell TS, DuBois JA, Fokkert M, Slingerland RJ, Lyon A W. A mathematical model to determine the impact of low concentrations of galactose on the performance of glucose meters. Poster session presented at the meeting of Advanced Technologies & Treatments for Diabetes, Vienna, Austria, February 2014.
167. Lyon ME, Lyon OAS, Tran NK, DuBois JA, Lyon AW. An insulin-dose error assessment grid: A new tool to evaluate glucose meter performance. *Clinical Biochemistry*. 2019;70:30-33. doi:10.1016/j.clinbiochem.2019.06.001
168. Mackay L, Clark T, Wijeratne N G. Blood glucose measurements in neonates: The importance of getting it right. Poster session presented at the meeting of the American Association for Clinical Chemistry, Critical and Point-of-Care Testing Division, San Diego, CA, September 2014.
169. Mann EA, Pidcock HF, Salinas J, Wolf SE, Wade CE, Holcomb J B. Hematocrit causes the most significant error in point of care glucometers [Letter to the editor]. *Critical Care Medicine*. 2009;37:1530. doi:10.1097/CCM.0b013e31819d2e8a
170. Mohn B. Evaluation of the Nova Biomedical StatStrip glucose meter. *New Zealand Journal of Medical Laboratory Science*. 2010;64(1):18–21.
171. Musholt P, Scherer S, Schöndorf T, Younessi A, DuBois J, Aust P, Pfützner A. et al. Genauigkeit des blutzuckermesssystems StatStrip im vergleich zu anderen messsystemen und zu einer standard-labormethode [Comparison of the accuracy of the blood glucose monitoring system StatStrip compared to other measuring systems and to a standard laboratory method]. *Diabetology and Metabolism*. 2008;3-A284. DOI: 10.1055/s-2008-1076431
- Poster session presented at the meeting of the German Diabetes Association, Munich, Germany, April 2008.
172. Nakadate Y, Sato H, Roque P, et al. Accuracy of blood glucose measurements using the NOVA StatStrip® glucometer during cardiac surgery: a prospective observational study. Précision des mesures de la glycémie prises avec le glucomètre StatStrip® de NOVA pendant une chirurgie cardiaque : une étude observationnelle prospective. *Canadian Journal of Anesthesia*. 2019;66(8):943-952. doi:10.1007/s12630-019-01350-7
173. Nova's Diabetes Care Products Held Not To Infringe Roche's Claims. Ropes & Grey LLP. <https://www.ropesgray.com/en/newsroom/news/2010/07/novas-diabetes-care-products-held-not-to-infringe-roches-claims>. July 30, 2010.
174. Pfützner A, Harzer O, Musholt PB, Scherer S, Löbig M, Forst T. Performance of blood glucose measurement systems influenced by interfering substances. *Diabetes Stoffwechsel und Herz*. 2009;18, 387–392.
175. Pfützner A, Musholt P, Scherer S, Löbig M, Younessi A, DuBois J, ... Forst T. Interference of hematocrit and maltose plasma concentrations on the accuracy of five different blood glucose measurement systems. 2008.

176. Pollet J, Goudable J, DuBois J A. Evaluation d'un nouveau lecteur de glycémie intégrant une correction automatique de l'hématocrite [Evaluation of a new blood glucose meter incorporating an automatic correction of the hematocrit]. *Spectra Biologie*. 2008;64(Janvier – Février – Mars):73–76.
177. Ramljak S, Lock JP, Schipper C, Musholt PB, Forst T, Pfützner A. "Hematocrit Interference Is a Common Phenomenon in Many Devices for Glucose Self-Measurement." Poster session presented at the Advanced Technologies & Treatments for Diabetes, Barcelona, Spain, February 2012.
178. Rao LV, Jakubiak F, Sidwell JS, Winkelman JW, Snyder ML. Accuracy evaluation of a new glucometer with automated hematocrit measurement and correction. *Clinica Chimica Acta*. 2005 Jun;356(1-2):178-83. doi:10.1016/j.cccn.2005.01.027
179. Robinson CS, Sharp P. Tighter accuracy standards within point-of-care blood glucose monitoring: how six commonly used systems compare. *Journal of Diabetes Science and Technology*. 2012;6(3):547-554. Published 2012 May 1. doi:10.1177/193229681200600309
180. Schöndorf T, Forst T, Pfützner A. Interferents in glucose determination do not influence the hospital POC glucose meter StatStrip in accuracy and precision of blood glucose measurement. Poster session presented at the meeting of the European Congress of Clinical Chemistry and Laboratory Medicine, Berlin, Germany, May 2011.
181. Schöndorf, T., P. Musholt, S. Scherer, M. Löbig, A. Younessi, J. Dubois, P. Aust, T. Forst, and A. Pfützner. "Das Blutzuckermesssystem StatStrip Ist Nicht Empfindlich Für Interferenzen Durch Hämatokrit Oder Andere Bekannte Störsubstanzen [the Blood Glucose Monitoring System StatStrip Is Not Sensitive to Hematocrit or Other Known Interfering Substances]." *Diabetologie und Stoffwechsel*. 2008;3,S1:A42.
182. Simpson PA, Tirimacco R, Tideman PA. Evaluation of four hospital glucose meters.
- Poster session presented at the meeting of the Australasian Association of Clinical Biochemists, Brisbane, Australia, September 2009.
183. Slowinska-Solnica K, Kapusta M, Gawlik K, Pawlica D, Grudzien U, Solnica B. Analytical evaluation of the StatStrip Xpress and the StatStrip hospital meters as a glucose monitoring system in a SMBG and POCT. *Biochimica Clinica*. 2013;37(SS):S694.
184. Smith G, McNeil-Szostak E, Ocrah G, Rowland S, Vargas R. RGH's method for evaluation and implementation of point of care bedside glucose (POCTG) monitoring. *Point of Care*. 2010;9(3):1.
- Poster session presented at the meeting of the American Association for Clinical Chemistry, Critical and Point-of-Care Testing Division, Boston, MA, September 2010.
185. Smith JL, Rice MJ. Why Have So Many Intravascular Glucose Monitoring Devices Failed?. *Journal of Diabetes Science and Technology*. 2015;9(4):782-791. doi:10.1177/1932296815587013
186. StatStrip Glucose FDA 510K Pre-Market Notification K181043. https://www.accessdata.fda.gov/cdrh_docs/reviews/K181043.pdf.
187. Steele AN, Godwin Z, Howes M, Tran NK. Extensive evaluation of sample interference on point-of-care glucose meters. Poster session presented at the meeting of the International Federation of Clinical Chemistry and Laboratory Medicine, Istanbul, Turkey, June 2014.
188. Stout PJ, Peled N, Erickson BJ, Hilgers ME, Racchini JR, Hoegh TB. Comparison of glucose levels in dermal interstitial fluid and finger capillary blood. *Diabetes Technology & Therapeutics*. 2001;3(1):81-90. doi:10.1089/1520-91501750220046
189. Thomas A, Sall S, Blount N, Perkins M, Roberts C, Williams R. Four step validation procedure for evaluating POCT meters. *Point of Care*. 2010;9(3):1.
- Poster session presented at the meeting of the American Association for Clinical Chemistry, Critical and Point-of-Care Testing Division, Boston, MA September 2010.
190. Tirimacco R, Siew L, Simpson PA, Cowley PJ, Tideman PA. Understanding the hematocrit effect on glucose testing using popular point-of-care testing devices. *Point of Care*. 201;13:128-131. doi:10.1097/POC.0000000000000040

191. Tran NK, Steele AN, Godwin Z, Howes M. Extensive evaluation of hematocrit on point-of-care glucose meters. Poster session presented at the meeting of the International Federation of Clinical Chemistry and Laboratory Medicine, Istanbul, Turkey, June 2014.
192. Vanavanan S, Santanirand P, Chaichanajareerkul U, Chittamma A, DuBois JA, Shirey T, Heinz M. Performance of a new interference-resistant glucose meter. *Clinical Biochemistry*. 2010;43(1-2):186–192. doi:10.1016/j.clinbiochem.2009.09.010
193. Wang Y. Comparison of Poc Blood Glucose Monitoring Systems (Bgms) Performance Idms Aligned Reference Methods: An Extensive Evaluation. 2015 Diabetes Technology Meeting Abstracts, *Journal of Diabetes Science and Technology*. 2016;10(2):476-611. doi:10.1177/1932296816639698
194. Wang Y. Development of a Primary Idms Traceable Reference Procedure in China for Blood Glucose Testing a Key Step for Evaluating Poc Glucose Methodologies. 2015 Diabetes Technology Meeting Abstracts, *Journal of Diabetes Science and Technology*. 2016;10(2):476-611. doi:10.1177/1932296816639698
195. Zhu H, Xu J, Qiu W, DuBois JA, Xu J. NIST calibration alignment is essential when selecting a laboratory reference method for evaluating POC Blood Glucose Monitoring Systems. *Clinica Chimica Acta*. 2019;488:172-173. doi:10.1016/j.cca.2018.11.012

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Nova Biomedical Headquarters: 200 Prospect St., Waltham, MA 02454 U.S.A., +1-781-894-0800 800-458-5813, FAX: +1-781- 894-5915, Int'l FAX: +1-781-899-0417, e-mail: info@novabio.com
Nova Biomedical Australia: ANZ Pty. Ltd. c/o KPNG Tower 3, Level 38, 300 Barangaroo Avenue, Sydney NSW, 2000, Australia TEL: +61(0)407 475757, e-mail: AU-info@novabio.com
Nova Biomedical Benelux B.V.: Korenmalen 22, 5281 PB, Boxtel, The Netherlands, TEL: +31(0)733032701, e-mail: benelux-info@novabio.com
Nova Biomedical Brasil: Rua Massena, 107, Jardim Canadá, Nova Lima - MG, CEP: 34007-746 Brasil, TEL: +55-31-3360-2500, e-mail: BR-info@novabio.com
Nova Biomedical Canada, Ltd: 17 – 2900 Argentinia Road, Mississauga, Ontario L5N 7X9 Canada, TEL: +1-905-567-7700 800-263-5999, FAX: +1-905-567-5496, e-mail: CA-info@novabio.com
Nova Biomedical France: Parc Technopolis - Bât. Sigma 3 Avenue du Canada 91940 Les Ulis Courtaboeuf, France, TEL: +33-1-64 86 11 74, FAX: +33-1-64 46 24 03, e-mail: FR-info@novabio.com
Nova Biomedical GmbH, Deutschland: Hessenring 13 A, Geb. G, 64546 Mörfelden-Walldorf, Germany, TEL: +49-6105 4505-0, FAX: +49-6105 4505-37, e-mail: DE-info@novabio.com
Nova Biomedical Iberia, S.L.: c/Vic 17, Planta 3A 08173 Sant Cugat del Vallès, Barcelona, Spain, TEL: +34 935531173, e-mail: ES-info@novabio.com or PT-info@novabio.com
Nova Biomedical Italia S.r.l.: via Como, 19 - 20045 Lainate (MI), Italy, Tel: +39 02 87070041, Fax: +39 02 87071482, e-mail: IT-info@novabio.com
Nova Biomedical K.K., Japan: Harumi Island Triton Square Office Tower X 7F, 1-8-10 Harumi, Chuo-ku, Tokyo 104-6007, Japan, TEL: 03-5144-4144, FAX: 03-5144-4177, e-mail: jp-info@novabio.com
Nova Biomedical Schweiz GmbH: Herostrasse 7, 8048 Zürich, Switzerland, TEL: +41-41-521-6655, FAX: +41-41-521-6656, e-mail: CH-info@novabio.com
Nova Biomedical U.K.: Innovation House, Aston Lane South, Runcorn, Cheshire WA7 3FY United Kingdom, TEL: +44-1928 704040, FAX: +44-1928 796792, e-mail: UK-info@novabio.com