

Effects of Ketoacidosis on Breath Test Results

Ketoacidosis, specifically diabetic ketoacidosis (DKA), is primarily caused by a severe lack of insulin in the body and can be found in untreated diabetics. In cases of diabetic ketoacidosis (DKA), breath analysis may show elevated levels of acetone, a ketone body, and potentially trace amounts of isopropyl alcohol (less than 10 mg/100 mL or 10 mg%). The Alco-Sensor FST uses fuel cell technology to calculate the blood alcohol concentration. Fuel cells are not sensitive to acetone and, therefore, acetone on the breath will not have any effect on the breath test results.

This is Exhibit "M" referred to
in the affidavit of Kerry Lynne Blake

Sworn before me this 30th day of October, 2025.


A Commissioner for Oaths in and for the Province of Alberta

GRANT L ISLES
COMMISSIONER OF OATHS
FOR ALBERTA 0729578
EXPIRY 16 MAY 2027