

BAC Tracker

How to Generate . . .

Retrograde Alcohol Extrapolation Reports
(Type I)

From the Dashboard, create a new case or open an existing case.

The screenshot displays the BAC Tracker application dashboard. On the left is a sidebar with the following sections: **Home** (containing 'New case' and 'Cases', with 'New case' highlighted by a red rectangle), **Report preferences** (with a gear icon), **Account** (containing 'Account Info' with subtext 'License: Annual' and 'Next billing date: 12/11/2023'), **Support** (containing 'Tutorials' and 'Contact Us'), and **Log Out**. The main content area is titled 'Application' with a breadcrumb 'Dashboard / All Cases'. It features a 'Shortcuts' section with three cards: 'Customize your report details' (with a 'Set report preferences' link and a book icon), 'Looking for a good start?' (with a 'Search tutorials' link and a document icon), and 'Any questions or need additional support?' (with a 'Contact us' link and a speech bubble icon). A 'New case' button is located in the top right of the shortcuts section. Below this is the 'All Cases [0]' section, which shows an 'Empty list!' message: 'You have no cases at this moment', accompanied by another 'New case' button. A search bar labeled 'Search cases' is positioned at the top right of the 'All Cases' section.

Ensure all required information is entered for the Case. When finished, click “Save case” to select which type of Alcohol Extrapolation Report to generate.

New case

To create a new case, please fill all the following required fields

Agency

05/29/2023

Organization Name

Reference ID

Subject

Full name

☒ Male ☐ Female

Age (years)

Height (in)

Weight (lb)

Elimination Rate


Elimination range [g/dl/hr]

Low range:

High range:

0.01

0.025

 Save case

Select “Retrograde Report”

Alcohol Extrapolation Reports



Anterograde Report

→ Create

Use this report to calculate the BAC when an analytically determined BAC is unknown, but information pertaining to what the individual consumed, how much was consumed, and when the individual consumed each drink are known.



Retrograde Report

(Type I or Type II)

→ Create

Use this report to calculate the BAC at a time prior to the known analytically determined BAC, but information pertaining to what the individual consumed, how much was consumed, and when the individual consumed each drink are unknown.

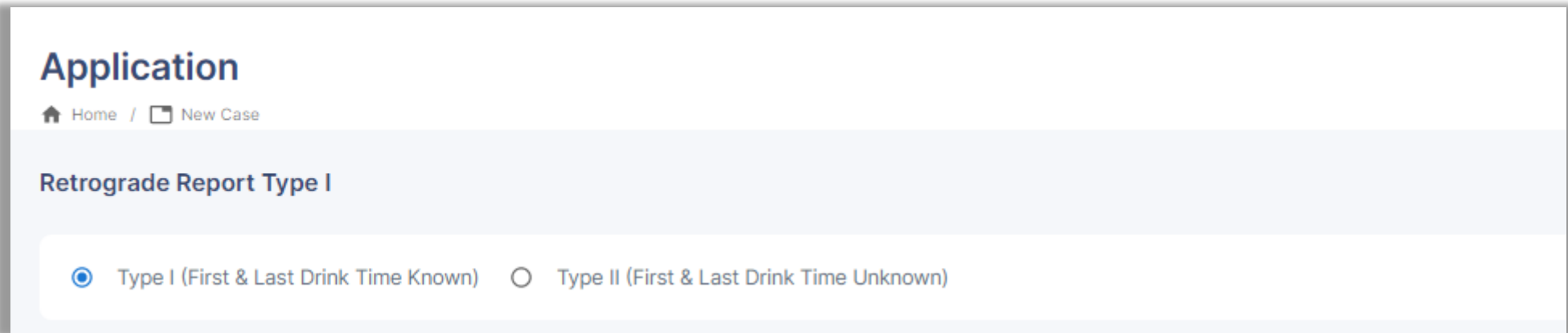


Quantification Report

→ Create

Use this report to calculate the quantity of alcohol consumed based on a known BAC and approximate timeframes of drinking.

Select which Type of Retrograde Report to generate (Type I or Type II). If the Time of First Drink and Time of Last Drink are known, generate a Type I Report. If the Time of First Drink and Time of Last Drink are not known, generate a Type II Report. Once selected, the relevant data entry fields will appear below the Type Selection section of the screen.

The screenshot shows a web application interface. At the top, the word "Application" is displayed in a large, bold, dark blue font. Below it, there is a breadcrumb trail: a home icon followed by "Home /" and a document icon followed by "New Case". The main heading is "Retrograde Report Type I" in a bold, dark blue font. Below this heading, there are two radio button options. The first option is "Type I (First & Last Drink Time Known)" and is selected, indicated by a blue dot inside the radio button. The second option is "Type II (First & Last Drink Time Unknown)" and is not selected, indicated by an empty radio button.

Select which volume distribution formulae to include on the report.
Select "All Formulae" to select all.

Retrograde Report Type I

☒ Type I (First & Last Drink Time Known) ☐ Type II (First & Last Drink Time Unknown)

Formula

 Select which volume distribution formulae to include on the report. Select "All Formulae" to select all.

☒ All Formulae ☒ Widmark ☒ Watson ☒ Forrester ☒ Seidl ☒ Ulrich ☒ Average

Variation

 Select which type or combination of variations pertaining to absorption and elimination rates to include on the report.

☒ Isolated ☐ With absorption rate uncertainty ☐ With elimination rate uncertainty ☐ With both absorption and elimination

Report Data

 Enter the "Time of Known BAC," "Time of Interest," "Time of First Drink," and "Time of Last Drink" ("Hr." based on a 24hr format and "Min." between 0 and 59) and "Known BAC" value (e.g. "0.02").

Time of Known BAC Time of Interest Time of First Drink Time of Last Drink BAC

[View only](#)

[Save & Open](#)

Select which type or combination of variations pertaining to absorption and elimination rates to include on the report.

Retrograde Report Type I

☒ Type I (First & Last Drink Time Known) ☐ Type II (First & Last Drink Time Unknown)

Formula

 Select which volume distribution formulae to include on the report. Select "All Formulae" to select all.

☒ All Formulae ☒ Widmark ☒ Watson ☒ Forrest ☒ Seidl ☒ Ulrich ☒ Average

Variation

 Select which type or combination of variations pertaining to absorption and elimination rates to include on the report.

☒ Isolated ☐ With absorption rate uncertainty ☐ With elimination rate uncertainty ☐ With both absorption and elimination

Report Data

 Enter the "Time of Known BAC," "Time of Interest," "Time of First Drink," and "Time of Last Drink" ("Hr." based on a 24hr format and "Min." between 0 and 59) and "Known BAC" value (e.g. "0.02").

Time of Known BAC Time of Interest Time of First Drink Time of Last Drink BAC

[View only](#)


[Save & Open](#)

“Isolated” uses the average absorption and elimination rates.

Retrograde Report Type I

☒ Type I (First & Last Drink Time Known) ☐ Type II (First & Last Drink Time Unknown)

Formula

 Select which volume distribution formulae to include on the report. Select “All Formulae” to select all.

☒ All Formulae ☒ Widmark ☒ Watson ☒ Forrest ☒ Seidl ☒ Ulrich ☒ Average

Variation

 Select which type or combination of variations pertaining to absorption and elimination rates to include on the report.

☒ Isolated ☐ With absorption rate uncertainty ☐ With elimination rate uncertainty ☐ With both absorption and elimination

Report Data

 Enter the “Time of Known BAC,” “Time of Interest,” “Time of First Drink,” and “Time of Last Drink” (“Hr.” based on a 24hr format and “Min.” between 0 and 59) and “Known BAC” value (e.g. “0.02”).

Time of Known BAC Time of Interest Time of First Drink Time of Last Drink BAC

[View only](#)

[Save & Open](#)

“With absorption rate uncertainty” calculates a range of BAC values using both absorption rates entered for each drink and the average rate of elimination.

Retrograde Report Type I

☒ Type I (First & Last Drink Time Known) ☐ Type II (First & Last Drink Time Unknown)

Formula

 Select which volume distribution formulae to include on the report. Select "All Formulae" to select all.

☒ All Formulae ☒ Widmark ☒ Watson ☒ Forrester ☒ Seidl ☒ Ulrich ☒ Average

Variation

 Select which type or combination of variations pertaining to absorption and elimination rates to include on the report.

☒ Isolated ☐ With absorption rate uncertainty ☐ With elimination rate uncertainty ☐ With both absorption and elimination

Report Data

 Enter the "Time of Known BAC," "Time of Interest," "Time of First Drink," and "Time of Last Drink" ("Hr." based on a 24hr format and "Min." between 0 and 59) and "Known BAC" value (e.g. "0.02").

Time of Known BAC Time of Interest Time of First Drink Time of Last Drink BAC

[View only](#)


[Save & Open](#)

“With elimination rate uncertainty” calculates a range of BAC values using the average absorption rate entered for each drink and both rates of elimination.

Retrograde Report Type I

☒ Type I (First & Last Drink Time Known) ☐ Type II (First & Last Drink Time Unknown)

Formula

 Select which volume distribution formulae to include on the report. Select “All Formulae” to select all.

☒ All Formulae ☒ Widmark ☒ Watson ☒ Forrest ☒ Seidl ☒ Ulrich ☒ Average

Variation

 Select which type or combination of variations pertaining to absorption and elimination rates to include on the report.

☒ Isolated ☐ With absorption rate uncertainty ☐ With elimination rate uncertainty ☐ With both absorption and elimination

Report Data

 Enter the “Time of Known BAC,” “Time of Interest,” “Time of First Drink,” and “Time of Last Drink” (“Hr.” based on a 24hr format and “Min.” between 0 and 59) and “Known BAC” value (e.g. “0.02”).

Time of Known BAC Time of Interest Time of First Drink Time of Last Drink BAC

[View only](#)


[Save & Open](#)

“With both absorption and elimination” calculates a range of BAC values using both absorption rates entered for each drink and both rates of elimination.

Retrograde Report Type I


☒ Type I (First & Last Drink Time Known) ☐ Type II (First & Last Drink Time Unknown)

Formula

 Select which volume distribution formulae to include on the report. Select “All Formulae” to select all.

☒ All Formulae ☒ Widmark ☒ Watson ☒ Forrest ☒ Seidl ☒ Ulrich ☒ Average

Variation

 Select which type or combination of variations pertaining to absorption and elimination rates to include on the report.

☒ Isolated ☐ With absorption rate uncertainty ☐ With elimination rate uncertainty ☐ With both absorption and elimination

Report Data

 Enter the “Time of Known BAC,” “Time of Interest,” “Time of First Drink,” and “Time of Last Drink” (“Hr.” based on a 24hr format and “Min.” between 0 and 59) and “Known BAC” value (e.g. “0.02”).

Time of Known BAC Time of Interest Time of First Drink Time of Last Drink BAC

[View only](#)

[Save & Open](#)

Enter the “Time of Known BAC,” “Time of Interest,” “Time of First Drink,” “Time of Last Drink”, and Known “BAC” value. (“Hr.” based on a 24hr format and “Min.” between 0 and 59). BAC value is g/dl (e.g. “0.02”).

Retrograde Report Type I

☒ Type I (First & Last Drink Time Known) ☐ Type II (First & Last Drink Time Unknown)

Formula

 Select which volume distribution formulae to include on the report. Select “All Formulae” to select all.

☒ All Formulae ☒ Widmark ☒ Watson ☒ Forrest ☒ Seidl ☒ Ulrich ☒ Average

Variation

 Select which type or combination of variations pertaining to absorption and elimination rates to include on the report.

☒ Isolated ☐ With absorption rate uncertainty ☐ With elimination rate uncertainty ☐ With both absorption and elimination

Report Data

 Enter the “Time of Known BAC,” “Time of Interest,” “Time of First Drink,” and “Time of Last Drink” (“Hr.” based on a 24hr format and “Min.” between 0 and 59) and “Known BAC” value (e.g. “0.02”).

Time of Known BAC Time of Interest Time of First Drink Time of Last Drink BAC


[View only](#)[Save & Open](#)

Once all required fields are entered, click “Save & Open” (to save a copy of the report in the Case file) or “View Only” (to view the report in a new browser window without saving to the Case file).

Retrograde Report Type I

☒ Type I (First & Last Drink Time Known) ☐ Type II (First & Last Drink Time Unknown)

Formula

 Select which volume distribution formulae to include on the report. Select “All Formulae” to select all.

☒ All Formulae ☒ Widmark ☒ Watson ☒ Forrest ☒ Seidl ☒ Ulrich ☒ Average

Variation

 Select which type or combination of variations pertaining to absorption and elimination rates to include on the report.

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Report Data

 Enter the “Time of Known BAC,” “Time of Interest,” “Time of First Drink,” and “Time of Last Drink” (“Hr.” based on a 24hr format and “Min.” between 0 and 59) and “Known BAC” value (e.g. “0.02”).

Time of Known BAC Time of Interest Time of First Drink Time of Last Drink BAC

[View only](#)

[Save & Open](#)

Visit us online for additional support

<https://www.bac-tracker.com/support>