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Alcohol and Its
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Determination is a
concise guide to all
currently known
alcohol biomarkers,
their clinical
application, and the
laboratory methods
used to detect them.
Pathologists can use
this resource to

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understand the limitations and cost factors associated with each method for determining certain alcohol biomarkers.

Alcohol and Its Biomarkers - 1st Edition

Alcohol and Its Biomarkers: Clinical Aspects and Laboratory Determination is a concise guide to all currently known alcohol biomarkers,

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their clinical application, and the laboratory methods used to detect them. Pathologists can use this resource to understand the limitations and cost factors associated with each method for determining certain alcohol biomarkers.

Alcohol and Its Biomarkers: Clinical Aspects and ...

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Biomarkers: Clinical Aspects and Laboratory Determination is a concise guide to all currently known alcohol biomarkers, their clinical application, and the laboratory methods used to detect them. Pathologists can use this resource to understand the limitations and cost factors associated with each method for determining certain

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Alcohol and Its
Biomarkers: Clinical
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Determination is a
concise and well
written book that
delivers on its promise
of presenting a
comprehensive
overview of alcohol
and its biomarkers. It
will be a useful

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Its Biomarkers:
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reference for health
care professionals and
laboratorians with an
interest in clinical,
laboratory, and
forensic aspects of
alcohol and its use and
abuse.

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currently known
alcohol biomarkers,
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**Alcohol and Its
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While genetic markers play an important role, alcohol biomarkers are physiological indicators of alcohol exposure or consumption,. Their clinical detection often

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reflects acute, chronic,
and/or a high level of
alcohol exposure.
Current alcohol
biomarkers generally
fall into two types:
direct and indirect
biomarkers.

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Alcohol Biomarkers: Clinical Issues and Analytical Methods

...

Background:
Biomarkers of alcohol
consumption are
important not only in

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forensic contexts, e.g., in child custody proceedings or as documentation of alcohol abstinence after temporary confiscation of a driver's license. They are increasingly being used in clinical medicine as well for verification of abstinence or to rule out the harmful use of alcohol.

Alcohol Biomarkers

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The first sets of biomarkers of alcohol abuse consist of routine laboratory parameters. These include gamma-glutamyl transpeptidase (GGT), aspartate aminotransferase/alanine aminotransferase (AST/ALT) ratio, and mean corpuscular volume. Although these tests are

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relatively inexpensive and widely available, their specificity is limited.

Biomarkers for monitoring alcohol use

Finally, although often used as screens for diagnosis of alcohol abuse or dependence, strictly speaking, biomarkers are reflections of physiological reactions to heavy drinking.

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Self-report screening scales, on the other hand, generally use a diagnosis of alcohol dependence as the criterion against which they are evaluated.

Biomarkers of Heavy Drinking

Clinical Biomarkers of Alcohol Use There are a number of potential aspects of alcohol abuse and alcohol-induced tissue damage that biomarkers could

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be used to diagnose.

These can be broadly defined as indicators of cumulative intake over a given time period, drinking patterns, and alcohol-induced organ damage.

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Future prospects for biomarkers of alcohol consumption and ...

Includes a brief overview of the benefits of consuming alcohol in moderation

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and the hazards of heavy drinking; About the Book. Alcohol and Its Biomarkers: Clinical Aspects and Laboratory Determination is a concise guide to all currently known alcohol biomarkers, their clinical application, and the laboratory methods used to detect them. Pathologists can use this resource to understand the limitations and cost

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factors associated with each method for determining certain alcohol biomarkers.

Alcohol and Its Biomarkers - Life Sciences Textbooks ...

Alcohol and its biomarkers : clinical aspects and laboratory determination. [A DasGupta] -- The aim of this book is to provide a comprehensive

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overview of alcohol
and alcohol biomarkers
from both a clinical and
a laboratory
standpoint.

Clinical Aspects And Laboratory Determination

Alcohol and its biomarkers : clinical aspects and ...

Alcohol and Its
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Aspects and Laboratory
Determination is a
concise guide to all
currently known
alcohol biomarkers,
their clinical

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application, and the laboratory methods used to detect them.

Alcohol and its biomarkers : clinical aspects and ...

EtG and EtS are direct minor metabolites of ethanol and are considered good markers of acute, short-term (up to 36 hours in the blood, up to 5 days in urine) alcohol ingestion. 5 Nanau RM, Neuman MG.

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Biomolecules and
biomarkers used in
diagnosis of alcohol
drinking and in
monitoring therapeutic
interventions.
Biomolecules. 2015;5
(3):1339-1385.

Determination

Alcohol Use

Biomarkers | ARUP

Consult

In a clinical setting,
alcohol biomarkers are
increasingly used to
objectively determine
alcohol abstinence or

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to rule out harmful
alcohol consumption.
The costs of the
analyses are billed...

**Alcohol Biomarkers
in Clinical and
Forensic Contexts
(04 ...**

Clinical biomarkers are
also useful in health
care practice for the
diagnosis and
monitoring of a
disease, or for
identifying patients at
risk for a serious

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adverse event or those
who may be more...

**From our
perspective: Clinical
biomarker
qualification | FDA**

Several more
experimental markers
hold promise for
measuring acute
alcohol consumption
and relapse. These
include certain alcohol
byproducts, such as
phosphatidylethanol,
acetaldehyde, ethyl

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glucuronide (EtG), and
fatty acid ethyl esters
(FAEE), as well as two
measures of sialic acid,
a carbohydrate that
appears to be altered
in alcoholics.

**ASAM eLearning:
Using Alcohol
Biomarkers to Guide**

...

Biomarker tools
accessible for
diagnosing NASH
conditions are known
as non-invasive tools,

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and few of them are
biomarker panels,
serum biomarkers,
imaging biomarkers,
fibrosis biomarkers,
and others.

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