

Lincoln County
Budget Modification Form
For the Year 2023

Issue Date: 4/4/2024

County Department: Health Dept

#12-143; #12-144; #12-145

Budget Modification Number:
(Finance will assign)

<u>Account Number</u>	<u>Account Name</u>	<u>Increase</u>	<u>Decrease</u>
23000054 461900	Nail Care revenue		2876
23000054 465910	Health Dept Public revenue	4012	
23000054 474000	Inter Department revenue		1743
23000054 473510	MAPS School Serv revenue	1843	
23000054 485000	Immunization Donation revenue		100
23000054 435500 10119	Health Check revenue		1136
23000054 511000	Public Health salary		10832
23000054 531010	Auditing	1153	
23000054 551000	Liability Insurance	187	
23000054 552001	Public Health telephone	406	
23000054 561214	Public Health vaccine	8768	
23000054 570000	State Grant operation	318	
23005554 560000	Environmental Health		622
23005554 571000	Water Lab operation	622	
23005754 511000 10121	Tobacco salary	1067	
23005754 520000 10121	Tobacco fringe	217	
23000054 511000	Public Health salary		1284
23000054 511000 10120	Prevention salary	4829	
23000054 520000 10120	Prevention fringe	1335	
23000054 571002 10120	Prevention operatin		6164
23000054 511000	Public Health salary		1229
23027854 511000	Oral Health wage	1522	
23027854 570000	Seal A Smile operation	1678	
23027854 571000	Dental Health operation		1971
23000054 511000	Public Health salary		1300
23006954 511000 10128	Preparedness wage	1000	
23006954 520000 10128	Preparedness fringe		1400
23006954 554001 10128	Preparedness print		200
23006954 555000 10128	Preparedness travel/training		900
23006954 570000 10128	Preparedness operations	2800	
23008454 435500 10173	Enhance Detection revenue	49183	
23008454 511000 10173	Enhance Detection wage	34349	
23008454 520000 10173	Enhance Detection fringe	9240	

*

23008454	554001	10173	Enhance Detection print	609	
23008454	555000	10173	Enhance Detection travel/training	97	
23008454	561101	10173	Enhance Detection postage	121	
23008454	571000	10173	Enhance Detection operation	5116	
23008454	435500	10175	ARPA Covid revenue		78857
23008454	511000	10175	ARPA Covid wage		68761
23008454	520000	10175	ARPA Covid fringe		5432
23008454	554001	10175	ARPA Covid print	344	
23008454	555000	10175	ARPA Covid travel/training		2995
23008454	561101	10175	ARPA Covid postage		577
23008454	571000	10175	ARPA Covid operation		1430
23008454	435500	10174	Covid Vaccine revenue	25100	
23008454	511000	10174	Covid Vaccine wage	2724	
23008454	520000	10174	Covid Vaccine fringe	209	
23008454	571000	10174	Covid Vaccine operations	21852	
23008454	435500	10176	PH Workforce revenue	31541	
23008454	511000	10176	PH Workforce wage	6727	
23008454	520000	10176	PH Workforce fringe	2215	
23008454	555000	10176	PH Workforce travel/training	16270	
23008454	571000	10176	PH Workforce operations	6289	
23008854	485000		Family Health donation	1499	
23008854	571000		Family Health operation	1499	
23201054	465912		DNR		15230
23201054	511000		Agent salary		2416
23201054	520000		Agent fringe		4361
23201054	555000		Agent travel		2059
23201054	555002		DNR	275	
23201054	571000		Agent operation	1387	
23201054	571002		DNR operation		2897
23201054	432400	10137	FDA Grant revenue	9952	
23201054	511000	10137	FDA Grant salary	3978	
23201054	520000	10137	FDA Grant fringe	2680	
23201054	555000	10137	FDA Grant training/travel	3294	
23201054	465912	10399	DNR revenue	5278	
23201054	511000	10399	DNR salary	119	
23201154	461900		Healthy minds coalition revenue	16500	
23000054	511000		Public Health salary		3600
23201154	571001		Healthy minds coalition expense	20100	
23201154	461900	20110	HPLC-Tomahawk revenue	2000	
23000054	511000		Public Health salary		1147
23201154	570000	20110	HPLC Tomahawk operation	3147	

23000059	598000		Transfer Out	110076	
23000054	499990		Funds Applied	110076	
23005554	461900		Water Lab Testing revenue	6468	
23005554	571000		Water Lab operation	6468	
23008454	571000	10174	Covid Vaccine operation	762	
23000054	511000		Public Health Salary		762
23006954	435500	10128	Preparedness revenue	1209	*
23000054	511000		Public Health salary	1209	
23008454	571000	10174	Covid Vaccine operation		492
23008454	571000	10175	ARPA Covid operation	492	

Description of need:

Department Head Signature _____

Committee Approval: _____

Finance Committee Approval:
(if total appropriation has been increased)

GRANT ALLOWABLE EXPENDITURES

GRANT NAME/PROJECT: _____ COMPLETED BY: _____

GRANT NAME/PROJECT: _____

GRANT NAME/PROJECT: _____

GRANT NAME/PROJECT: _____ APPROVED BY: _____

GRANT NAME/PROJECT: _____

2023 Carryover Request – No. _____ (To be completed by Finance)

Department Health Department **Dept. No.** 23

Directions: Any department requesting a carryover of funds from 2023 to 2024 should complete a separate form for each account for which a carryover is requested. Please list the account number, the account name, the dollar amount and provide a complete explanation of the need for the request. If it is grant money, identify the name of the grant, the source of the grant funds and the expected use of the funds. (If you have multiple carryovers, please make copies of this form for your use.)

<u>Account Number</u>	<u>Account Name</u>	<u>Amount</u>
23201154.570000.20110	Tomahawk HPLC	1,773.68
23201154.571001	Healthy Minds	2,641.19

Explanation

Program Revenue Carryovers

Grant Name

n/a

Source of Funds

Donations

Expected Use

Per program

Department Head's Signature _____
Date _____

Board of Health Orientation
April 24, 2024

Shelley Hersil, CHES, MPH
Director/Health Officer

"Public health is what we do together as a society to ensure the conditions in which everyone can be healthy."
Public Health 3.0 A Call to Action for Public Health to Meet the Challenges of the 21st Century

Orientation

- Responsibilities of Local Health Department
- Staffing and Programs
- Responsibilities of Board of Health
- Board Operations
- Questions?

What is a Local Health Department?

WHY DO THEY EXIST?

Mission, Vision, Core Values

Mission
A leader in public health by promoting optimal health and safety through prevention, protection, and intervention.

Vision
A safe and thriving Lincoln County where everyone has the opportunity for optimal health and quality of life.

Core Values
Excellence, Integrity, Health Equity

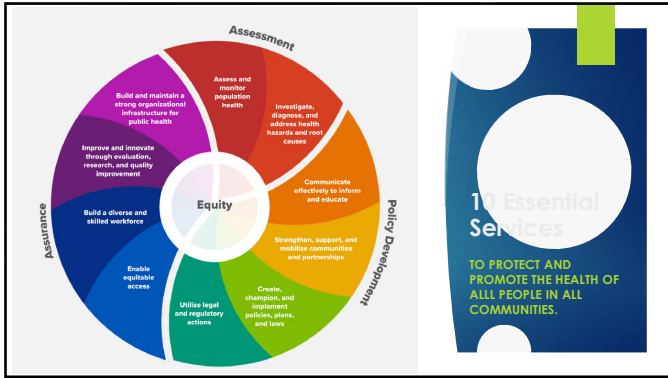
What are the unique responsibilities of a local health department?

WHAT DO WE DO?

10 Essential Services

"to protect and promote the health of all people in all communities"

- Assessment**
 1. Assess and monitor population health status, factors that influence health, and community needs & assets
 2. Investigate, diagnose, and address health problems and hazards
- Policy Development**
 3. Inform and educate people about health, factors that influence & how to improve it
 4. Mobilize communities and partnerships
 5. Create, champion & implement policies, plans, and laws
- Assurance**
 6. Use legal and regulatory actions designed to improve and protect
 7. Assure effective systems enables equitable access to services and care
 8. Build & support diverse & skilled workforce
 9. Improve & innovate through ongoing evaluation, research, and QI
 10. Build & maintain strong organizational infrastructure



10 Essential Services

TO PROTECT AND PROMOTE THE HEALTH OF ALL PEOPLE IN ALL COMMUNITIES.



Foundational Public Health Services

MINIMUM SET OF PUBLIC HEALTH SERVICES TO BE AVAILABLE IN EVERY COMMUNITY IN WISCONSIN AND U.S.

Public Health Standards

WI DHS 140 Review

- Confirms a local health department meets requirements for Level 1, Level 2, or **Level 3**
- Conducted every 5 years

National Public Health Accreditation

- Standards in carrying out the 10 Essential Public Health Services
- Demonstrates ability to meet national standard to carry out quality governmental public health services
 - Pathways Recognition Program
 - Accreditation

WI Statutes that Guide Local Health Departments

- Chapter 250** – Health, Administration and Supervision
- Chapter 251** – Local Health Officials
- Chapter 252** – Communicable Diseases
- Chapter 253** – Maternal and Child Health
- Chapter 254** – Environmental Health
- Chapter 255** – Chronic Disease and Injuries
- DHS 139** – Qualifications for Health Professionals
- DHS 140** – Required Services of Local Health Department

Lincoln County Ordinances

- 9.04 Prohibiting the Use of E-Cigarettes In/Near-County Buildings and Vehicles
- 11.01 Nuisances – Human Health Hazards
- 11.06 Lodging, Recreation and Food Protection
- 11.07 Restrictions on Sale of Gift of Cigarette or Tobacco Products to minors
- Outdoor Wood Burner Guidelines

NPHW

Meet your Public Health Department

LINCOLN COUNTY HEALTH DEPARTMENT

Foundational Public Health Services

Foundational Capabilities

<p>Assessment/ Surveillance</p> <ul style="list-style-type: none"> • Community Health Assessments • Disease Surveillance <p>Community Partnership Development</p> <ul style="list-style-type: none"> • Community Health Improvement Plan <p>Equity</p> <ul style="list-style-type: none"> • Healthy Equity Assessment and Planning <p>Organizational Competency</p> <ul style="list-style-type: none"> • Workforce Development Plan • Staff Public Health Core Competency Assessments 	<p>Policy Development and Support</p> <ul style="list-style-type: none"> • Board of Health • Staff <p>Accountability and Performance Management</p> <ul style="list-style-type: none"> • National Accreditation • Strategic Plan • Performance Management Plan <p>Emergency Preparedness and Response</p> <ul style="list-style-type: none"> • Public Health Emergency Plan <p>Communications</p> <ul style="list-style-type: none"> • Community Engagement • Marketing and Outreach Plan
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What is a Board of Health?

WHAT DO YOU DO?

What is a Board of Health in WI?

- ▶ **Currently 85 local health departments**
 - ▶ County, multi-county, city-county, city, village, and multi-city/village
- ▶ **County Ordinance Membership**
 - ▶ 5 elected officials
 - ▶ At least 3 members not elected officials
 - ▶ Appoint Nurse, Physician, Member at Large.
 - ▶ Reflect the diversity of the community

What does a Board of Health do?

Wisconsin Statute Chapter 251.04 outlines powers and duties:

- ▶ Govern the local health department
- ▶ Assure the local health department is a Level I, Level II, or Level III
- ▶ May adopt regulations for its own guidance and for the governance of the local health department necessary to protect and improve public health. The regulations may be less stringent than, and may not conflict with, state statutes and rules of the department.
- ▶ Report to the state department by rule.
- ▶ Meet at least quarterly.

Six Functions of Public Health Governance

- ▶ Policy Development
- ▶ Resource Stewardship
- ▶ Legal Authority
- ▶ Partner Engagement
- ▶ Continuous Improvement
- ▶ Oversight

What does a Board of Health do?

- ▶ Assess public health needs and advocate for the provision of reasonable and necessary public health services.
- ▶ Develop policy and provide leadership that fosters local involvement and commitment, that emphasizes public health needs and that advocates for equitable distribution of public health resources and complementary private activities commensurate with public health needs.
- ▶ Assure measure are taken to provide an environment in which individuals can be healthy.
- ▶ Unless specified otherwise by ordinance, shall employ qualified public health professionals

Board of Health Resources

Public Health Associations

- ▶ Wisconsin Association of Local Health Departments and Boards (**WALHDAB**)
- ▶ National Association of Local Boards of Health (**NALBOH**)
- ▶ National Association of County and City Health Officials (**NACCHO**)

Resources

- ▶ Lincoln County Policies and Plans (**LCHD**)
- ▶ WI Department of Health Services (**WI DHS**)
- ▶ Centers of Disease Control and Prevention (**CDC**)
- ▶ Website: Lincolncountyhealthdepartment.com

General Board of Health Operations

- ▶ Meeting Schedule
- ▶ Committee standing agenda items
- ▶ Grants, Contracts, Memorandum of Understandings
- ▶ Fiscal Management
- ▶ Communication with the Board
- ▶ Staffing

Health Department Future Road Map Where are we going?



Questions?

HEALTH IS LIVING LONG AND WELL. IT'S WHERE WE LIVE, WORK, LEARN, AND PLAY. IT'S OPPORTUNITY—FOR ALL OF US—TO STRIVE AND THRIVE.

SOURCE: COUNTY HEALTH RANKINGS



Thermo Scientific TruNarc Handheld Narcotics Analyzer

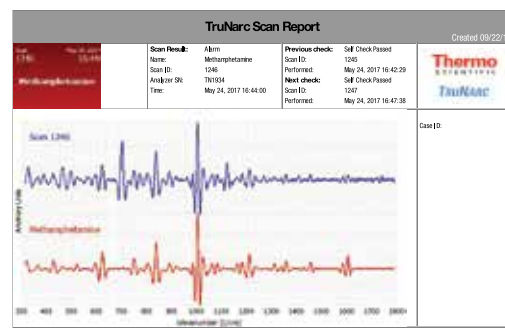
Field-based presumptive narcotics, precursor and cutting agent testing



The TruNarc Handheld Narcotics Analyzer

limits direct contact

- Tests for almost 500 substances, including narcotics, stimulants, depressants, hallucinogens and analgesics
- Library regularly updated to include emerging drug threats
- Requires no direct contact with most substances
- Delivers clear, real-time results for presumptive evidence
- Provides automated, tamper-proof records with scan results, including time-and-date stamps to help expedite prosecution



Helping law enforcement



TruNarc: Efficient, Economical, Safe

Agencies across the United States who deploy TruNarc are seeing immediate benefits:

- Even little known substances can be identified almost instantly in the field
- The need for Law Enforcement Officers to handle potentially lethal narcotics is greatly reduced
- Valuable lab time is freed up for higher priority cases
- Reduced demand for lab testing delivers significant cost savings

benefits

stay ahead of the curve: safe, precise

TruNarc Success Stories

quickly identified fentanyl!

Quincy PD, Massachusetts: Little-known Drugs Identified Quickly

- TruNarc immediately identified an unknown sample as Alpha-PVP (“Flakka”) a synthetic cathinone
- Official state-wide alert about new drug issued next day

Etowah County, Alabama: Reduced Court Wait Times

- *“We’re definitely seeing a benefit because of TruNarc. We’re able to take cases to the grand jury where before we didn’t have a toxicology report. Now, a defendant doesn’t have to wait for his day in court. It’s been a godsend.”*

– Etowah County

Charles County, Maryland: Improved Protection for Law Enforcement Officers

- Using TruNarc, officers quickly identified fentanyl (a potent opioid absorbed by touch, potentially causing overdose or death) in heroin seizure.
- *“The safety of our officers is one of our top priorities, and this technology will allow us to safely identify controlled dangerous substances quickly and accurately without having to wait on lab results.”*

– Charles County



use narcotics identification



TruNarc Helps Keep Officers Safe

The use of illicit narcotics and opioids continues to skyrocket. Emerging lethal drugs like fentanyl and carfentanil threaten public safety.

To save lives and protect law enforcement officers, banned substances need to be identified quickly, safely and accurately.

The Thermo Scientific™ TruNarc™ Analyzer rapidly identifies drugs and can reduce the backlog of cases at crime labs while decreasing costs. This leads to quicker case resolution and helps drug offenders access treatment faster.

saves time and money





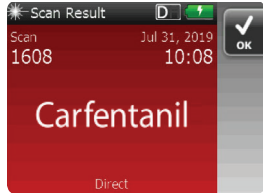
TruNarc: A more accurate and reliable presumptive test

Specifications	Description
Weight	1.25 lb (.570 kg)
Size	6.4 x 4.1 x 2.0 in. (16.26 x 10.41 x 5.10 cm)
Library	Controlled substances, cutting agents and precursors
Configurations	Unlimited or Pay-Per-Scan
Data export formats	CSV, SPC, PDF, SCZ, SCN
Battery	Rechargeable internal 3.7V battery pack (10 hrs.); DC wall adapter, 5V DC, 1.5A; optional car charger
Operating temperature	14° F to 122° F (-10° C to +50° C)
Language configurations	English, Arabic, Chinese, Czech, Dutch, French, Japanese, Polish, Russian, Spanish
Computer administration	TruNarc Admin software connected via microUSB to USB
Reachback support	Spectral analysis by staff chemists available
Validation	Third party test results available on request

To learn more about the TruNarc or schedule a demo, please visit us on line at: thermofisher.com/trunarc

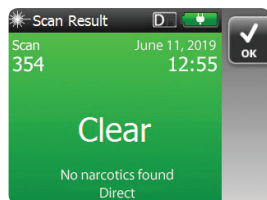
TruNarc v1.10 substance library: Display names

Alarm



- | | | | | |
|---|--|--|--|---|
| 1 1,4-Dibenzylpiperazine (DBZP) | 64 4-MeO-DMT | 140 Benzyl fentanyl | 216 Isotodesnitazene | 285 N-Pyrrolidino etonitazene |
| 2 1-Naphthyl U-47700 | 65 4-MeO-PCP | 141 bk-2C-B | 217 Isotonitazene | 286 NRG-3 (cathinone) |
| 3 2',5'-Dimethoxy fentanyl | 66 4-Methoxy PV8 | 142 Bromadol | 218 JWH-015 (cannabinoid) | 287 Ocfeintanil |
| 4 25B-NBOMe | 67 4'-Methyl acetylfentanyl | 143 Bromo-dragonFLY (phenethylamine) | 219 JWH-018 (cannabinoid) | 288 ortho-Fluorofentanyl |
| 5 25C-NBOMe | 68 4-Methylaminorex | 144 Brophine | 220 JWH-019 (cannabinoid) | 289 ortho-Methyl acetyl fentanyl |
| 6 25D-NBOMe | 69 4-Methylbuphedrone (cathinone) | 145 Buphedrone (cathinone) | 221 JWH-020 (cannabinoid) | 290 ortho-Methyl furanyl fentanyl |
| 7 25E-NBOMe | 70 4-Methylethcathinone (4-MEC) | 146 Buprenorphine | 222 JWH-073 (cannabinoid) | 291 Oxazepam |
| 8 25I-NBOMe | 71 4-Methylpentredone (cathinone) | 147 Butalbital | 223 JWH-081 (cannabinoid) | 292 Oxycodone |
| 9 25N-NBOMe | 72 5-APB | 148 Butonitazene | 224 JWH-122 (cannabinoid) | 293 Oxymorphone |
| 10 25P-NBOMe | 73 5-APDB | 149 Butylone (cathinone) | 225 JWH-182 (cannabinoid) | 294 para-Chloro furanyl fentanyl |
| 11 25T4-NBOMe | 74 5-Chloro AB-PINACA (cannabinoid) | 150 Butyryl fentanyl | 226 JWH-200 (cannabinoid) | 295 para-Chlorofentanyl |
| 12 25T7-NBOMe | 75 5-Chloro AKB48 (cannabinoid) | 151 BZP | 227 JWH-203 (cannabinoid) | 296 para-Chloroisobutyryl fentanyl |
| 13 2-Al (Aminoindan) | 76 5-Chloro UR-144 (cannabinoid) | 152 Carfentanil | 228 JWH-210 (cannabinoid) | 297 para-Fluoro cyclopropyl fentanyl |
| 14 2C-B (phenethylamine) | 77 5-DBFPV | 153 Carisoprodol | 229 JWH-250 (cannabinoid) | 298 para-Fluoro furanyl fentanyl |
| 15 2C-C (phenethylamine) | 78 5-EAPB | 154 Cathinone | 230 JWH-412 (cannabinoid) | 299 para-Fluoro methoxyacetyl fentanyl |
| 16 2C-D (phenethylamine) | 79 5-Fluoro ABICA (cannabinoid) | 155 CB-13 | 231 Ketamine | 300 para-Fluorobutyryl fentanyl |
| 17 2C-E (phenethylamine) | 80 5-Fluoro AB-PINACA (cannabinoid) | 156 Clonazepam | 232 Levorphanol | 301 para-Fluorofentanyl |
| 18 2C-H (phenethylamine) | 81 5-Fluoro ADB (cannabinoid) | 157 Clonazolam | 233 Lisdexamfetamine | 302 para-Fluoroisobutyryl fentanyl (FIBF) |
| 19 2-Chloromethcathinone (2-CMC) | 82 5-Fluoro ADBICA (cannabinoid) | 158 Cocaine | 234 MAB-CHMINACA (cannabinoid) | 303 para-Methoxy butyryl fentanyl |
| 20 2C-I (phenethylamine) | 83 5-Fluoro AEB (cannabinoid) | 159 Cocaine base | 235 MAM-2201 (cannabinoid) | 304 para-Methoxyacetyl fentanyl |
| 21 2C-N (phenethylamine) | 84 5-Fluoro AKB48 (cannabinoid) | 160 Cocaine HCl | 236 mCPP | 305 para-Methoxyfentanyl |
| 22 2C-P (phenethylamine) | 85 5-Fluoro AMB (cannabinoid) | 161 Codeine | 237 MDA | 306 para-methyl AP-237 |
| 23 2C-T-2 (phenethylamine) | 86 5-Fluoro CUMYL-P7AICA (cannabinoid) | 162 CP-47 497 (cannabinoid) | 238 MDAI | 307 para-Methyl furanyl fentanyl |
| 24 2C-T-7 (phenethylamine) | 87 5-Fluoro EDMB-PINACA (cannabinoid) | 163 Crotonyl fentanyl | 239 MDEA | 308 PB-22 (cannabinoid) |
| 25 2-Ethylmethcathinone (2-EMC) | 88 5-Fluoro MDMB-PICA (cannabinoid) | 164 CUMYL-THPINACA (cannabinoid) | 240 MDMA | 309 PCP |
| 26 2-Fluoromethamphetamine | 89 5-Fluoro MN-18 (cannabinoid) | 165 Cyclobenzaprine | 241 MDMB-CHMICA (cannabinoid) | 310 Pentredone (cathinone) |
| 27 2-MAPB | 90 5-Fluoro NNEI (cannabinoid) | 166 Cyclobutyl fentanyl | 242 MDMB-FUBINACA (cannabinoid) | 311 Pentylone (cathinone) |
| 28 2-Methyl AP-237 | 91 5-Fluoro NPB-22 (cannabinoid) | 167 Cyclohexyl fentanyl | 243 MDPBP (cathinone) | 312 Phenazepam |
| 29 2-Methylmethcathinone (2-MMC) | 92 5-Fluoro PB-22 (cannabinoid) | 168 Cyclopentyl fentanyl | 244 MDPHP (cathinone) | 313 Phentermine |
| 30 3,4-Dichloromethylphenidate | 93 5-Fluoro SDB-006 (cannabinoid) | 169 Cyclopropyl fentanyl | 245 MDPPP (cathinone) | 314 Phenyl fentanyl |
| 31 3,4-Dimethoxymethcathinone | 94 5-IAI | 170 Deschloroketamine | 246 MDPV (cathinone) | 315 PMA |
| 32 3-Bromoamphetamine | 95 5-IT | 171 Desomorphine | 247 Mephedrone (cathinone) | 316 PMEA |
| 33 3-Bromomethcathinone (3-BMC) | 96 5-MAPB | 172 Dextromethorphan (DXM) | 248 Mephtetramine (MTTA) | 317 PMMA |
| 34 3-Chloroethcathinone (3-CEC) | 97 5-MeO-DALT | 173 Diazepam | 249 Mescaline-NBOMe | 318 Pravadoline |
| 35 3-Chloromethcathinone (3-CMC) | 98 5-MeO-DiPT | 174 Dibutylone (bk-DMDBD) (cathinone) | 250 meta-Fluoro methoxyacetyl fentanyl | 319 Protonitazene |
| 36 3-Ethylmethcathinone (3-EMC) | 99 5-MeO-MIPT | 175 Diclazepam | 251 meta-Fluorofentanyl | 320 PX-1 (cannabinoid) |
| 37 3-Fluoroamphetamine | 100 6-APDB | 176 Diethylcathinone | 252 Methadone | 321 PX-2 (cannabinoid) |
| 38 3-Fluoromethcathinone (3-FMC) | 101 6-Bromo-MDMA | 177 Dimethylaminorex (DMAR) | 253 Methamphetamine | 322 RCS-4 (cannabinoid) |
| 39 3-Fluorophenmetrazine | 102 6-Chloro-MDMA | 178 Dimethylcathinone | 254 Methaqualone | 323 RCS-8 (cannabinoid) |
| 40 3-MeO-PCP | 103 6-EAPB | 179 Dimethylmethcathinone | 255 Methcathinone | 324 Remifentanyl |
| 41 3-Methoxymethcathinone | 104 7-APDB | 180 Dimethylone (bk-MDDMA) (cathinone) | 256 Methedrone (cathinone) | 325 SDB-005 (cannabinoid) |
| 42 3-Methylmethcathinone (3-MMC) | 105 A-834735 (cannabinoid) | 181 Dimethyltryptamine (DMT) | 257 Methoxetamine (MXE) | 326 B'-Phenyl fentanyl |
| 43 4-APDB | 106 AB-001 (cannabinoid) | 182 Diphenidine | 258 Methoxyphenidine (MXP) | 327 STS-135 |
| 44 4-Bromoethcathinone (4-BEC) | 107 AB-CHMINACA (cannabinoid) | 183 Diphenylprolinol (D2PM) | 259 Methoxyacetylfentanyl | 328 Sufentanil |
| 45 4-Bromomethcathinone (4-BMC) | 108 AB-FUBINACA (cannabinoid) | 184 EADB-FUBINACA (cannabinoid) | 260 Methylone (cathinone) | 329 t-BOC MDMA |
| 46 4-Chloro 2,5-DMA | 109 AB-PINACA (cannabinoid) | 185 EAM-2201 (cannabinoid) | 261 Methylphenidate | 330 t-BOC Methamphetamine |
| 47 4-Chloroamphetamine | 110 Acetyl fentanyl | 186 EMB-FUBINACA (cannabinoid) | 262 Metodesnitazene | 331 Temazepam |
| 48 4-Chloroethcathinone (4-CEC) | 111 Acrylfentanyl | 187 Ethcathinone | 263 Metonitazene | 332 Tetrahydrofuran fentanyl |
| 49 4-Chloromethcathinone (4-CMC) | 112 ADB-FUBINACA (cannabinoid) | 188 Ethylone (cathinone) | 264 Mexedrone (cathinone) | 333 TFMP |
| 50 4-Chloro-N-isopropylcathinone | 113 ADB-PINACA (cannabinoid) | 189 Ethylphenidate | 265 MMB2201 (cannabinoid) | 334 Thiophene fentanyl |
| 51 4-Chloropentredone (cathinone) | 114 AH-7921 | 190 Etizolam | 266 MMB-CHMICA (cannabinoid) | 335 THJ-018 (cannabinoid) |
| 52 4-Cyano CUMYL-BUT7AICA (cannabinoid) | 115 AKB48 (APINACA) (cannabinoid) | 191 Eutylone (cathinone) | 267 MN-18 (cannabinoid) | 336 THJ-2201 (cannabinoid) |
| 53 4-Cyano CUMYL-BUTINACA (cannabinoid) | 116 Alfentanil | 192 FDU-PB-22 (cannabinoid) | 268 MN-24 (NNEI) (cannabinoid) | 337 Tramadol |
| 54 4-Ethylethcathinone | 117 alpha-Methyl acetylfentanyl | 193 Fenethylone | 269 MN-25 (cannabinoid) | 338 Trihexyphenidyl (THP) |
| 55 4-Ethylmethcathinone | 118 alpha-Methyl fentanyl | 194 Fentanyl | 270 MO-CHMINACA (cannabinoid) | 339 U-47700 |
| 56 4-Fluoro PV8 | 119 alpha-Methyltryptamine (AMT) | 195 Flualprazolam | 271 Morphine | 340 U-48800 |
| 57 4-Fluoro-alpha-PVP (cathinone) | 120 alpha-PIHP (cathinone) | 196 Flubromazepam | 272 MPHP (cathinone) | 341 U-49900 |
| 58 4-Fluoroamphetamine | 121 alpha-PVP (cathinone) | 197 Flubromazolam | 273 N,N-Diethylpentylone (cathinone) | 342 U-50488 |
| 59 4-Fluorobuphedrone (cathinone) | 122 Alprazolam | 198 Flunitazene | 274 N,N-Dimethylpentylone (cathinone) | 343 U-51754 |
| 60 4-Fluoromethamphetamine | 123 AM1220 (cannabinoid) | 199 Flunitrazepam | 275 Naphyrone (cathinone) | 344 UR-144 (cannabinoid) |
| 61 4-Fluoromethcathinone (4-FMC) | 124 AM1235 (cannabinoid) | 200 Fluoxetine | 276 N-Ethylbuphedrone (cathinone) | 345 UR-144 N-heptyl (cannabinoid) |
| 62 4-Fluoropentredone (cathinone) | 125 AM1241 (cannabinoid) | 201 FUB-144 (cannabinoid) | 277 N-Ethylhexedrone (cathinone) | 346 Valeryl fentanyl |
| 63 4-MeO-alpha-PVP (cathinone) | 126 AM1248 (cannabinoid) | 202 FUB-AMB (cannabinoid) | 278 N-Ethylorketamine | 347 W-18 |
| | 127 AM2201 (cannabinoid) | 203 FUB-JWH-018 (cannabinoid) | 279 N-Ethylpentredone (cathinone) | 348 XLR-11 (cannabinoid) |
| | 128 AM2233 (cannabinoid) | 204 FUB-PB-22 (cannabinoid) | 280 N-Ethylpentylone (cathinone) | 349 XLR-11 N-(4-penteny) |
| | 129 AM630 (cannabinoid) | 205 Furanyl fentanyl | 281 Nimetazepam | 350 Xylazine |
| | 130 AM694 (cannabinoid) | 206 Gabapentin | 282 Nitracaine | 351 Zolpidem |
| | 131 Amphetamine | 207 GBL | 283 NPB-22 (cannabinoid) | 352 beta-Hydroxythiofentanyl |
| | 132 AP-237 | 208 GHB | 284 N-Piperidiny etonitazene | |
| | 133 APICA (cannabinoid) | 209 Heroin | | |
| | 134 APP-CHMINACA (cannabinoid) | 210 Hexanoyl fentanyl | | |
| | 135 APP-FUBINACA (cannabinoid) | 211 HU-210 (cannabinoid) | | |
| | 136 APP-PICA (cannabinoid) | 212 HU-211 (cannabinoid) | | |
| | 137 BB-22 (cannabinoid) | 213 Hydromorphone | | |
| | 138 Benzedrone (cathinone) | 214 Isobutyryl fentanyl | | |
| | 139 Benzodioxole fentanyl | 215 Isopropyl U-47700 | | |

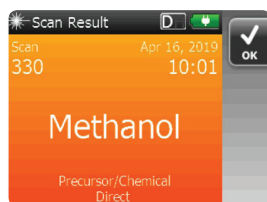
Clear



- | | | | |
|--------------------------------|-------------------------------|-----------------------------|-------------------------------|
| 1 2-Ethylamino- 1-phenylbutane | 21 Diltiazem | 41 Lidocaine | 62 Piracetam |
| 2 Antipyrine | 22 Dimethyl aminoantipyrine | 42 Loratidine | 63 Plaster of Paris |
| 3 Atropine | 23 Dimethyl sulfone | 43 Low density polyethylene | 64 Poly(propylene glycol) |
| 4 Baby powder | 24 Diphenhydramine (Benadryl) | 44 Magnesium citrate | 65 Polyethylene glycol |
| 5 Baking soda | 25 Dipyrone | 45 Magnesium stearate | 66 Polyethylene terephthalate |
| 6 Benzocaine | 26 Epsom salt | 46 Magnesium sulfate | 67 Polypropylene |
| 7 Boric acid | 27 Ethanol | 47 Maltose | 68 Polyvinyl chloride |
| 8 Brucine | 28 Ethyl benzoate | 48 Mannitol | 69 Procaine* |
| 9 Caffeine* | 29 Fructose | 49 Methyl salicylate | 70 Propylphenazone |
| 10 Calcium carbonate | 30 Glucose | 50 Methylhexanamine (DMAA) | 71 Quinine* |
| 11 Calcium stearate | 31 Glutamine | 51 Minoxidil | 72 Saccharin |
| 12 Calcium sulfate | 32 Griseofulvin | 52 Naloxone* | 73 Silicon dioxide |
| 13 Cellulose | 33 Guaifenesin | 54 Naproxen | 74 Sodium sulfate |
| 14 Chloroquine | 34 Gypsum | 55 Nicotinamide* | 75 Sorbitol |
| 15 Citric acid | 35 High density polyethylene | 56 Nicotine | 76 Sucrose |
| 16 Confectioner's sugar | 36 Hydroxyzine | 57 Nicotinic acid | 77 Sugar |
| 17 Copper phthalocyanine | 37 Inositol | 58 N-Methyl- phenethylamine | 78 Tetracaine |
| 18 Corn starch | 38 Isopropyl benzylamine | 59 Noscapine | 79 Theophylline |
| 19 Creatine | 39 Lactose | 60 Papaverine* | 80 Titanium oxide |
| 20 Dextrose | 40 Levamisole (Tetramisole) | 61 Phenacetin | 81 Vitamin C |

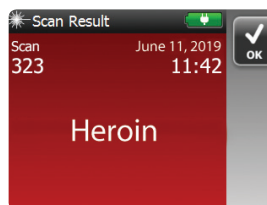
* These substances may also be displayed after a TypeH scan.

Precursor/Chemical



- | | | | |
|------------------------------------|--|-------------------------------------|--|
| 1 1,4-Butanediol | 22 Bromobenzene | 42 Isopropanol | 63 Phenylnitropropene |
| 2 1-Phenethyl-4-piperidone (NPP) | 23 Chloroephedrine/
Chloropseudoephedrine | 43 Isosafrole | 64 Phosphoric acid |
| 3 Acetic acid | 24 Chloroform | 44 Lead acetate | 65 Piperidine |
| 4 Acetic anhydride | 25 Chlorophenyl cyclopentyl ketone | 45 MAPA | 66 Piperonal |
| 5 Acetone | 26 Chloropseudoephedrine | 46 Methanol | 67 Piperonyl methyl ketone
(PMK, MDP2P) |
| 6 Acetyl bromide | 27 Cyclohexane | 47 Methyl ethyl ketone (MEK) | 68 PMK (MDP2P) methyl glycidate |
| 7 Acetyl chloride | 28 Cyclohexanone | 48 Methylamine HCl | 69 PMK Glycidic acid (sodium salt) |
| 8 Acetyl norfentanyl | 29 Despropionyl fentanyl (ANPP) | 49 MYCP | 70 Potassium permanganate |
| 9 AIBN | 30 Despropionyl para-fluorofentanyl | 50 N-Benzyl para-fluoro norfentanyl | 71 Propyl acetate |
| 10 Ammonium chloride | 31 Dichloromethane | 51 N-Benzyl phenyl norfentanyl | 72 Pseudoephedrine |
| 11 Ammonium nitrate | 32 Diethyl ether | 52 N-Isopropylbenzylamine | 73 Red phosphorus |
| 12 Ammonium sulfate | 33 Dihydrosafrole | 53 Nitric acid | 74 Safrole |
| 13 Anthranilic acid | 34 Dimethylacetamide | 54 N-Methyl cyclopropyl norfentanyl | 75 Sodium acetate |
| 14 APAA | 35 Ephedrine | 55 N-Methyl norfentanyl | 76 Sodium carbonate |
| 15 APAA | 36 Ethyl acetate | 56 N-Methylephedrine | 77 Sulfuric acid |
| 16 Barium sulfate | 37 H-Phe- Cyclohexylamide | 57 Norephedrine | 78 t-BOC Pseudoephedrine |
| 17 Benzoic acid | 38 Hydrogen Peroxide | 58 Norfentanyl | 79 Toluene |
| 18 BMK ethyl glycidate | 39 Hydroxylamine | 59 Palladium chloride | 80 White Fuel (camping) |
| 19 BMK Glycidic acid | 40 Hydroxylamine | 60 Phenethylamine | 81 Xylene |
| 20 BMK Glycidic acid (sodium salt) | 41 Hypophosphorous acid | 61 Phenyl-2-propanone (P2P, BMK) | |
| 21 BMK methyl glycidate | | 62 Phenylacetic acid | |

Type H Alarm



- | | | | |
|-------------------------|-------------------|---|---------------------------|
| 1 25B-NBOMe | 7 Alprazolam | 12 Fentanyl Compound or
Methamphetamine ^ † | 16 Hydromorphone* |
| 2 25C-NBOMe | 8 Buprenorphine*# | 13 Flubromazepam | 17 Lorazepam |
| 3 25I-NBOMe | 9 Clonazepam | 14 Heroin | 18 MDMA |
| 4 2C-B (phenethylamine) | 10 Cocaine HCl | 15 Heroin w/Fentanyl Compound or
Methamphetamine † | 19 Oxycodone* |
| 5 2C-E (phenethylamine) | 11 Diazepam | | 20 Oxymorphone* |
| 6 2C-I (phenethylamine) | | | 21 Synthetic Cannabinoid+ |

* Some low dose pills require a Type H Kit for identification.

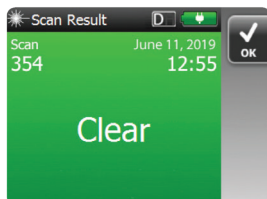
Buprenorphine both tablet and strip.

+ A "Synthetic Cannabinoid" screen result encompasses the individual cannabinoids listed above.

^ Fentanyl Compound includes fentanyl and fentanyl analogs.

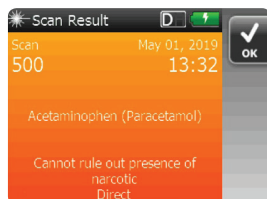
† Combined result

Type H Clear



- 1 Caffeine
- 2 Naloxone
- 3 Nicotinamide
- 4 Noscapine
- 5 Papaverine
- 6 Procaine
- 7 Quinine

Warning



- 1 Acetaminophen (Paracetamol)*
- 2 Aspirin
- 3 Ibuprofen*

These substances have a strong Raman signal which can mask certain narcotics. Additional testing via an alternate method is recommended.

* These substances may also be displayed after a TypeH scan.

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