

ACCURACY AND RELIABILITY IS OUR STANDARD

New 2021
Cerilliant® Certified Reference Materials

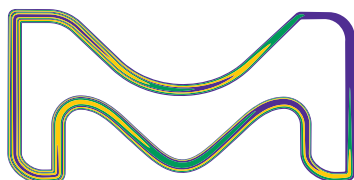
Quality

ISO 17034

ISO/IEC 17025

ISO 9001

GMP/GLP



New Cerilliant® Certified Reference Materials

Accurate. Precise. Consistent.

Understanding that your daily focus is dedicated to minimizing uncertainties in your work makes our high standards match yours. From synthesis design to performing accelerated and real-time stability studies, Cerilliant® products are designed to promote laboratory efficiency, ensure accuracy and reliability of results, and support laboratory regulatory requirements.

Our Newest Products - Launched in 2020

Cat. No.	Description
Acylcarnitines	
A-147-1ML	Acylcarnitines IS Mix 2 (C ₄ ,iC ₅ ,C ₆ ,C ₈ ,C ₁₂ ,C ₁₄ ,C ₁₈)
Alkaloids	
T-016-1ML	Theobromine
Analgesics (non-opiates)	
M-239-0.5ML	α-Methylfentanyl- ¹³ C ₆ HCl
M-226-0.5ML	Methoxyacetyl fentanyl- ¹³ C ₆ HCl
Anticonvulsants/Antiepileptics	
F-078-1ML	Fosphenytoin disodium salt
D-177-1ML	N-Desmethylnmethsuximide- ¹³ C ₂ , ¹⁵ N
M-230-1ML	Methsuximide- ¹³ C ₂ , ¹⁵ N
D-176-1ML	N-Desmethylnmethsuximide
F-080-1ML	Felbamate- ¹³ C ₃
F-079-1ML	Fosphenytoin- ¹³ C ₃ , ¹⁵ N ₂ disodium salt
R-035-1ML	Rufinamide- ¹⁵ N, ₂
Antidepressants	
N-140-1ML	Nefazodone-D ₆ HCl
Antifungals	
F-097-1ML	Fluconazole
K-008-1ML	Ketoconazole
Antihistamines	
T-140-1ML	Triprolidine HCl
O-051-1ML	Orphenadrine citrate
H-144-1ML	Hydroxyzine- ¹³ C ₆ diHCl
M-231-1ML	Methapyrilene HCl
P-145-1ML	Phenyltoloxamine citrate
Antipsychotics	
L-053-1ML	Loxapine-D ₈
T-141-1ML	Thiothixene
M-232-1ML	Mesoridazine besylate
F-083-1ML	Fluphenazine-D ₈ diHCl

Cat. No.	Description
Barbiturates	
P-138-1ML	Primidone-D ₅
Benzodiazepines	
H-143-1ML	4-Hydroxyalprazolam-D ₅
D-175-1ML	Deschloroetizolam-D ₅
H-140-1ML	3-Hydroxyflunitrazepam
H-141-1ML	3-Hydroxyflunitrazepam- ¹³ C ₆
Cannabinoids	
C-180-1ML	7-Hydroxy cannabidiol (7-OH-CBD)
C-181-1ML	7-Carboxy cannabidiol (7-COOH-CBD)
C-212-1ML	Cannabigerol-D ₃ (CBG-D ₃)
T-145-1ML	Δ ⁹ -Tetrahydrocannabinolic acid A-D ₃ (THCA-A-D ₃)
T-151-1ML	THC-O-acetate Solution
C-223-1ML	7-Hydroxy cannabidiol-D ₃ (7-OH-CBD-D ₃)
C-219-1ML	Cannabinoid Mixture (Neutrals) - 8 Component
C-220-1ML	Cannabinoid Mixture - 3 Component
C-224-1ML	7-Carboxy cannabidiol-D ₃ (7-COOH CBD-D ₃)
T-153-1ML	(-)-Δ ⁸ -THC-D ₃
C-211-1ML	Cannabichromene-D ₃ (CBC-D ₃)
C-217-1ML	Hemp Compliance Mix
C-227-1ML	Cannabigerivarin (CBGV)
Cannabinoids - Synthetic	
S-128-1ML	ADB-PINACA
S-131-1ML	5F-EMB-PINACA
S-135-1ML	AB-CHMINACA metabolite M4-D ₄
Cardiac Drugs	
P-148-1ML	Propafenone HCl
D-179-1ML	Diltiazem-D ₆ HCl
H-147-1ML	7-Hydroxywarfarin
H-148-1ML	7-Hydroxywarfarin- ¹³ C ₆
A-179-1ML	Atenolol-D ₇
Catecholamines	
H-152-1ML	5-Hydroxyindole-2,4,6,7-d ₄ -3-acetic-2,2-d ₂ acid (5-HIAA-D ₆)

Cat. No.	Description
Cathinones	
P-149-1ML	α -Pyrrolidinohexanophenone HCl (α -PHP HCl)
F-086-1ML	4-Fluoro- α -pyrrolidinovalerophenone (4-F- α -PVP)
F-085-1ML	4-Fluoro- α -pyrrolidinohexanophenone (4-F- α -PHP)
E-134-1ML	N-Ethylbuphedrone HCl
B-090-1ML	N-Butylpentylone HCl
Cocaine Analogs	
H-149-1ML	m-Hydroxybenzoylecgonine-D ₃
Hallucinogens	
P-150-1ML	1P-LSD
Opiates / Synthetic Analgesics	
M-240-0.5ML	4'-Methylacetyl fentanyl- ¹³ C ₆ HCl
P-143-1ML	Papaverine HCl
T-133-0.5ML	Tetramethylcyclopropyl fentanyl- ¹³ C ₆ HCl
C-188-0.5ML	Crotonyl fentanyl- ¹³ C ₆ HCl
B-089-0.5ML	Benzylfentanyl- ¹³ C ₆ HCl
T-130-0.5ML	Tetrahydrofuranlyl fentanyl HCl
I-045-1ML	Isopropyl U-47700- ¹³ C ₂ , ¹⁵ N
M-212-0.5ML	para-Methoxybutyryl fentanyl HCl
T-132-0.5ML	Tetramethylcyclopropyl fentanyl HCl
N-136-1ML	Norscopolamine

Cat. No.	Description
Other Drugs	
C-207-1ML	Colchicine
T-143-1ML	Tamoxifen
M-237-1ML	Methimazole
T-144-1ML	Tamoxifen- ¹³ C ₆
L-057-1ML	(-)-Levamisole-D ₅ HCl
G-027-1ML	Ginger Gingerols and Shogaols Mix
B-094-1ML	Busulfan
B-095-1ML	Busulfan-D ₈
Pharmaceutical Impurities	
H-151-1ML	6 α -Hydroxyhydrocortisone
Proteins	
A-166-0.25ML	Adalimumab (Humira)
I-042-0.25ML	Infliximab (Remicade)
Steroids/Hormones	
C-216-1ML	Cortisol- ¹³ C ₃
C-160-1ML	Cortisone- ¹³ C ₃
P-123-1ML	Prednisolone- ¹³ C ₃
C-159-1ML	Corticosterone- ¹³ C ₃
P-124-1ML	Prednisone- ¹³ C ₃

Benefits of Cerilliant® Certified Reference Materials:

- Real-time Stability Testing
- Full Characterization
- Accredited Manufacturing
- Comprehensive Certificate of Analysis

Most products are available within 2 days or less of order date.

For a complete list of our Cerilliant® product line, visit [SigmaAldrich.com/cerilliant](https://www.sigmaaldrich.com/cerilliant)

For an overview of our complete reference material portfolio, visit [SigmaAldrich.com/standards](https://www.sigmaaldrich.com/standards)

New Products - Coming in 2021!

Cat. No.	Description
Acylcarnitines	
A-145-1ML	Acylcarnitines Mix 3 (C8:1,C10:1,C12:1,C14:1,C14:2,C16:1,C18:1,C18:2)
A-198-1ML	Acylcarnitines Mix 4 (C3,C16), 5 mg/ml
A-199-1ML	Acylcarnitines IS Mix 4 (C3,C16), 500 µg/mL
Analgesics (non-opioids)	
D-188-1ML	Dexmedetomidine
Antidepressants	
R-036-1ML	Reboxetine Mesylate
T-137-1ML	Tianeptine Sodium Salt
Antifungals	
A-190-1ML	Antifungals IS Mix
A-500-1ML	Antifungals Blank
A-501-1ML	Antifungals CRM in Serum - Level 1
A-502-1ML	Antifungals CRM in Serum - Level 2
A-503-1ML	Antifungals CRM in Serum - Level 3
A-504-1ML	Antifungals CRM in Serum - Level 4
A-505-1ML	Antifungals CRM in Serum - Level 5
A-506-5ML	Antifungals QC Low
A-507-5ML	Antifungals QC High
Antihistamines	
T-139-1ML	Tripelennamine HCl
C-206-1ML	Cetirizine- ¹³ C ₆ diHCl
F-082	Fexofenadine- ¹³ C ₆ HCl
P-146-1ML	Phenyltoloxamine- ¹³ C ₂₇ , ¹⁵ N HCl
Antipsychotics	
M-235-1ML	Molindone-D ₈ HCl
A-193-1ML	Amisulpride
M-247-1ML	Mesoridazine-D ₃
Antivirals	
C-237-1ML	Chloroquine
H-157-1ML	Hydroxychloroquine
Benzodiazepines	
F-093-1ML	Flunitrazolam
C-234-1ML	4'-Chlorodiazepam
F-075-1ML	Flubromazepam- ¹³ C ₂₇ , ¹⁵ N
C-235-1ML	4'-Chlorodiazepam IS

Cat. No.	Description
Cannabinoids	
C-226-1ML	Cannabigerovarinic Acid (CBGVA)
C-210-1ML	Cannabidiolic acid-D ₃ (CBDA-D ₃)
C-215-1ML	Cannabichromenic acid-D ₃ (CBCA-D ₃)
C-245-1ML	Cannabigerolic acid-D ₃ (CBGA-D ₃)
T-147-1ML	Tetrahydrocannabivarinic acid-D ₅ (THCVA-D ₅)
T-093S-1ML	Δ9-Tetrahydrocannabinolic acid A (THCA-A)
C-225-1ML	Cannabivarin (CBV)
C-244-1ML	Cannabichromenic Acid (CBCA)
C-236	Cannabinolic Acid-D ₃ (CBNA-D ₃)
C-239	Cannabivarinic acid (CBVA)
T-112-1ML	(±)-11-nor-9-Carboxy-Δ9-THCV
T-146-1ML	Tetrahydrocannabivarin-D ₅ (THCV-D ₅)
T-154-1ML	exo-THC-D ₃
Cannabinoids - Synthetic	
S-125-1ML	NM-2201
S-126-1ML	FUB-PB-22
S-132-1ML	5F-EDMB-PINACA
S-127-1ML	FUB-144
S-130-1ML	5F-MDMB-PICA
S-140-1ML	5F-MDMB-PINACA (5F-ADB) metabolite 7
S-138-1ML	AB-FUBINACA metabolite 3
S-139-1ML	AB-FUBINACA metabolite 3- ¹³ C ₅ , ¹⁵ N
Cardiac Drugs	
B-088-1ML	(±)-Bisoprolol Fumarate
F-084-1ML	Flecainide-D ₄
V-079-1ML	Verapamil- ¹³ C ₃ HCl
M-236-1ML	Metoprolol-D ₇ tartrate
Cathinones	
D-180-1ML	N,N-Dimethylpentylone HCl
M-243-1ML	3,4-Methylenedioxy-N-benzylcathinone (BMDP)
B-091-1ML	N-Butylpentylone-D ₅ HCl
M-242-1ML	4-Methyl-α-pyrrolidinobutiophenone (MPBP)
P-153-1ML	α-Pyrrolidinoisohexanophenone HCl (α-PiHP HCl)

New Products - Coming in 2021! (continued)

Cat. No.	Description
Opiates / Synthetic Analgesics	
M-218-0.5ML	MT-45-D ₅ diHCl
M-244-0.5ML	ortho-Methylacetyl fentanyl
P-154-0.5ML	β ¹ -Phenyl fentanyl HCl
B-093-0.5ML	Benzoyl fentanyl- ¹³ C ₆ HCl
P-157-1ML	N-Phenethyl-4-piperidone- ¹³ C ₆ (NPP- ¹³ C ₆)
B-092-0.5ML	Benzoyl fentanyl HCl
T-163-0.5ML	2-Thiofuranyl fentanyl HCl
T-164-0.5ML	2-Thiofuranyl fentanyl- ¹³ C ₆ HCl
F-091-0.5ML	2 ¹ -Fluoro ortho-fluorofentanyl HCl
F-092-0.5ML	2 ¹ -fluoro ortho-Fluorofentanyl- ¹³ C ₆
P-155-0.5ML	β ¹ -Phenyl fentanyl- ¹³ C ₆ HCl
O-050-0.5ML	Ocfentanil- ¹³ C ₆
Opioids	
I-055-1ML	Isotonitazene HCl
I-056-1ML	Isotonitazene- ¹³ C ₆ HCl

Cat. No.	Description
Other Drugs	
L-056-1ML	Lofexidine-D ₄ HCl
M-238-1ML	Methimazole- ¹³ C, ₃ D ₃
O-054-1ML	Omeprazole-d ₃
C-231-1ML	Cyclizine
C-232-1ML	Cyclizine- ¹³ C ₆ HCl
Phytochemical Solutions	
A-197-1ML	Ashwagandha Dietary Ingredients Mix
Proteins	
C-243-0.5ML	C-peptide
Vitamins	
F-087-1ML	Folic acid
V-043-1ML	Vitamin K2 (MK-7)- ¹³ C ₆
V-081-1ML	Tocopheryl acetate IS (Vitamin E acetate IS)
V-082-1ML	(±)-β-Tocopherol (Vitamin E)
V-083-1ML	β-Tocopherol-D3
V-080-1ML	Pyridoxine- ¹³ C ₃ HCl (Vitamin B6- ¹³ C ₃)

Contact your local MilliporeSigma sales representative for more information.

Unless otherwise specified the nominal concentration for all salt forms of the analyte is adjusted for the acid content. This applies to Cerilliant® solution standards only. Please refer to the Certificate of Analysis (COA) for all product information including diluent. Not all items are available in all countries.

Supelco®

Analytical Products

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