

# Interference Kits and Solutions for Assay Validation

Molecular Depot's ready-to-use Interference kits contain a wide selection of interference substances that can be spiked into specimens to establish an assay's tolerance to endogenous interference substances. To minimize specimen dilution, stock solutions are provided highly concentrated. Additionally, to minimize matrix effects during spiking experiments, all interference substances are provided with their corresponding diluents. These kits are both practical and cost-effective.

## Interference Test Kit for Assay Validation

Catalog #K2010001

Substance	Stock Concentration
Free Bilirubin	20 mg/mL
Conjugated Bilirubin	20 mg/mL
Human Hemoglobin	200 mg/mL
Triglycerides mix	1000 mg/mL
Human Serum Proteins	20 g/dL
Ascorbic Acid	176 mg/mL



## Interference Test Kit EXTRA for Assay Validation

Catalog # K2010008

Substance	Stock Concentration
Biotin	200 µg/mL
Creatinine	50 mg/mL
EDTA	500 mM (190 mg/mL)
Glucose	250 mg/mL
Glycerol	10 mg/mL
Intralipid	20 % (w/v)
Pyruvate	20 mg/mL
Urea	200 mg/mL
Cholesterol	supplied as powder



## Rheumatoid Factor Interference Kit

Catalog # K2010007

Substance	Stock Concentration
Rheumatoid Factor	> 1800 IU/mL
Rheumatoid Factor Diluent	0 IU/mL



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## HAMA Interference Kit

Catalog # K2010009

Sample	HAMA Concentration(ng/mL)
HAMA-Negative Sample (NS)	0.0
HAMA-Positive Sample 1 (PS1)	10.5
HAMA-Positive Sample 2 (PS2)	25.9
HAMA-Positive Sample 3 (PS3)	45.8
HAMA-Positive Sample 4 (PS4)	75.3
HAMA-Positive Sample 5 (PS5)	101.5



## Individual Interference Solutions and Substances for Assay Validation

Substance	Stock Concentration	Catalog Number
Acetone	100%	C2010401
Ascorbic Acid	176 mg/mL	K2010001A
Bilirubin (Conjugated)	20 mg/mL	K2010001C
Bilirubin (Free)	20 mg/mL	K2010001B
Biotin	200 mg/mL	K2010008B
Boric Acid	supplied as powder	C2010402
Calcium Chloride	1M	C2010407
Cholesterol	supplied as powder	K2010008H
Citric Acid (pH 3.0)	1M	C2010415
Creatinine	50 mg/mL	K2010008C
EDTA	500 mM (190 mg/mL)	B2010013
Ethanol	100%	C2010418
Galactose	supplied as powder	C2010416
Glucose	250 mg/mL	K2010008G1
Glycerol	10 mg/mL	K2010008G2
Heparin (Lithium)	1000 U at > 150 U/mg	B2010201
HAMA Serum (High Titer)	(600 to 2400 ng/mL)	S2010006
Human Gamma Globulins	supplied as powder	C2010428
Human Hemoglobin	200 mg/mL	K2010001D
Human Serum Proteins	20 g/dL	K2010001E
Intralipid	20 % (w/v)	K2010008I
L-Lactate	1000 mg/mL	B2010200
Oxalic Acid	supplied as powder	C2010411
Potassium Chloride	1M	C2010433
Pyruvate	20 mg/mL	K2010008P
Rheumatoid Factor	> 1800 IU/mL	S2010001
Rheumatoid Factor Diluent	0 IU/mL	S2010002
Riboflavin	supplied as powder	C2010423
Sodium Azide	20% (w/v)	C2010434
Sodium Chloride	2M	C2010437
Sodium Fluoride	supplied as powder	C2010431
Sodium Phosphate	supplied as powder	C2010422
β-hydroxybutyric Acid (BHB)	supplied as powder	C2010425
Triglycerides mix	1000 mg/mL	C2010001
Urea	200 mg/mL	K2010008U
Uric Acid	20 mg/mL	B2010199



### How to Order:

Online: <https://moleculardepot.com> – Email: [info@moleculardepot.com](mailto:info@moleculardepot.com) (electronic PO accepted)  
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