



Porex Technologies
500 Bohannon Road
Fairburn, GA USA 30213

tel +1 770.964.1421
+1 800.241.0195
fax +1 770.969.0954

www.porex.com

POREX TECHNOLOGIES FILTER SAMPLER® BLOOD SERUM FILTER

Porex Technologies, the manufacturer of the **FILTER SAMPLER® BLOOD SERUM FILTER** and **DISPENSE Serum Filter**, routinely tests these products for their use in various chemistry, coagulation, and drug monitoring methodologies. Our clinical compatibility tests are conducted at large reference laboratories located in Atlanta, GA, USA.

A thorough review of all of our material and processes has determined that the **FILTER SAMPLER® BLOOD SERUM FILTER** and **above products** do not contain the chemical **TRIBUTOXETHYLPHOSPHATE**. This chemical is not present in any of the components of the product, nor do we use this chemical during our process. It is our understanding that this chemical can cause interference with drug methodologies.

The **FILTER SAMPLER® BLOOD SERUM FILTER** would encompass the following catalog numbers:

FS 316-6218	IB 316-6249	IB 116-40475
FS 416-6212	IB 416-6251	IB113-40537
FS 616-6204	IB 616-6259	Dispense +-6440
FS 413-6228	IB 313-6258	Dispense 413-6437
FS 210-6242	IB 413-6241	Dispense 416-6436
FS 410-6237	IB 613-6253	FS 113-6414
FS 213-6221	FS 116-6214	
FS 216-6222	FS 216-4ml-6410	

Studies included testing the **SERUM FILTER** components and assembled products in contact with serum or plasma on 22 common biochemical constituents as well as T3 UPTAKE and T4 RIA. Samples are tested after 8 hours, 24 hours, 3 days, 4 days and 7 days of contact with these products.

The constituents are as follows:

Total Protein	Cholesterol	Sodium
Albumin	Glucose	Potassium
Triglycerides	Chloride	BUN
Total Bilirubin	Creatinine	CO ₂
Alkaline Phosphotase	SGOT	Iron
Calcium	LDH	CPK
Phosphorous	T ₃ UPTAKE	T ₄ RIA

No patterns of interference were noted with the IB™ Model FILTER SAMPLER or **DISPENSE FILTER SAMPLER®**, **set with the ion-barrier feature**, for up to seven days. The Porex catalog numbers are:

IB 316-6249 (IB™ Model)	IB 313-6258 (IB™ Model)
IB 416-6251 (IB™ Model)	IB 413-6241 (IB™ Model)
IB 616-6259 (IB™ Model)	IB 613-6253 (IB™ Model)
IB116-40475 (IB™ Model)	IB 113-40537 (IB™ Model)





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Dispense 416-6436 (Dispense Model, set with ion-barrier feature)
Dispense 413-6437 (Dispense Model, set with ion-barrier feature)

No patterns of interference were noted for up to 24 hours with the Standard Model FILTER SAMPLER® or **DISPENSE FILTER SAMPLER, not set with the ion-barrier feature**. The Porex catalog numbers are:

FS 316-6218	FS 213-6221
FS 416-6212	FS 116-6214
FS 616-6204	FS 216-6222
FS 410-6237	FS 216-4ml-6410
FS 210-6242	FS 113-6414
FS 413-6228	

Dispense 416-6436 (Dispense FILTER SAMPLER, not set with ion-barrier feature)
Dispense 413-6437 (Dispense FILTER SAMPLER, not set with ion-barrier feature)
Dispense +-6440

Also, as part of our quality control process we have tested the serum filters for their use and non-interference with analytical determinations using gas liquid chromatography (GC) and high performance liquid chromatography (HPLC). The methodologies tested were:

Valporic Acid	Digoxin
Theophylin	Lithium

No patterns of interference peaks were noted on the above constituents after three days.

With **coagulation methodologies** tests were performed using normal population and capped specimens.

In terms of coagulation, plasma may be separated with the I.B.™ Model and once properly refrigerated and capped, storage is permitted with no methodology interference for up to four days. The I.B.™ Model contains a leakproof valve that allows the creation of a half-inch air gap, which prevents the transfer of potassium and phosphate ions that cause pH changes and specimen unsuitably past the recommended storage times without the use of the I.B.™ Model Serum Filter.

Methodologies tests for compatibility with the IB™ Model or the Dispense FILTER SAMPLER®, set with the ion-barrier feature, up to four days are:

Prothrombin Time (PT)
Activated Partial Thromboplastin Time (APTT)
Partial Thromboplastin Time (PTT)
Fibrinogen

