AcroMetrix™ Citrate Plasma Dilution Matrix

Product Use
AcroMetrix™ Citrate Plasma Dilution Matrix is a human serum-based matrix shown to be negative for bloodborne pathogens and specific viral nucleic acids. It is intended for use in preparing specimens for testing in serum/plasma based nucleic acid assays.

AcroMetrix Citrate Plasma Dilution Matrix is not intended for use as a substitute for the integral diluents, standards or controls provided by in vitro diagnostic kit manufacturers. This product is for Research Use Only. Not for use in diagnostic procedures.

Summary and Explanation
Commercially available test procedures for determining the presence and/or amounts of pathogen-specific nucleic acids in infected individuals and blood donors have been added to the armament of tools available to diagnostic testing laboratories and blood banks worldwide. The presence of specific nucleic acid sequences in human serum or plasma can be indicative of active or latent infection by these pathogenic agents. However, the presence of extremely high levels of circulating nucleic acids, especially in certain viral infections, often requires that specimens be diluted prior to testing in order to bring the nucleic acid concentration down to a level that falls within the dynamic range of the nucleic acid test procedure.

AcroMetrix Citrate Plasma Dilution Matrix provides manufacturing firms, clinical laboratories and blood banks with well-characterized, pre-screened negative diluent for use in making these preliminary dilutions. The use of a standard dilution matrix also allows testing laboratories and other end users to compare results obtained at different times, by different operators, or by different methodologies, and ensures that the sample diluent itself is not contributing to testing variability.

Principles of the Procedure
AcroMetrix Citrate Plasma Dilution Matrix has been carefully formulated to mimic naturally occurring normal human serum. Therefore, the product can be used with any test procedure that requires preliminary dilutions of test specimens in human serum or plasma.

Reagents
AcroMetrix Citrate Plasma Dilution Matrix contains defibrinated, delipidized normal human plasma screened for HBV DNA, HCV RNA, HIV-1 RNA, antibodies to HIV-1 and HIV-2, HIV-1 antigen, HBSAg, antibodies to HCV and HTLV I - II. The matrix contains 0.05% sodium azide and 0.05% gentamicin sulfate as preservatives.

Caution
Do not pipette by mouth. Use personal protective equipment, including lab coats, gloves and safety glasses. Do not eat, drink or smoke in areas where diluents and specimens are handled.

Disinfect liquids, materials or spills with a 0.5% sodium hypochlorite solution or equivalent. Dispose of all materials and liquids used in the procedure as if they contained pathogenic agents.

This product contains 0.05% sodium azide as a preservative. Sodium azide is reported to form azides in plumbing systems.

Storage Instructions
It is recommended that AcroMetrix Citrate Plasma Dilution Matrix be stored at -20°C or lower to ensure highest quality. However, matrix stored at 2°C to 8°C is stable for a period of up to 4 weeks. The matrix may be refrozen after first use, thawed and used a second time. Discard any unused material after the second use. Matrix material that appears cloudy or contains precipitates after thawing should be discarded.

For Research Use Only

Instructions for Use
Thaw AcroMetrix Citrate Plasma Dilution Matrix at room temperature, vortex briefly, and place on ice immediately after thawing. Return any unused matrix to the recommended storage conditions immediately after use.

AcroMetrix Citrate Plasma Dilution Matrix should be handled and tested in a manner identical to that required for serum/plasma diluents or clinical specimens utilized in the nucleic acid test procedure. Follow the manufacturer's instructions and recommendations for the handling and testing of diluents and clinical specimens.

Limitations
AcroMetrix Citrate Plasma Dilution Matrix is for Research Use Only. Not for use in diagnostic procedures.

References

Legend of Labeling Symbols

LOT Batch Code
Use-by date
Manufacturer
Temperature Limitation
Biological Risk
Catalog Number
Research Use Only
Caution

Microgenics Corporation
46500 Kato Road
Fremont, CA 94538 USA
US Customer and Technical Support:
1-800-232-3342

For insert updates go to: www.thermoscientific.com/qualitycontrols

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