

GenTegraRNA-NEO for Microsampling

Preserve RNA in dried blood microsamples for up to 7 days!



RNA-Based Studies with Mitra Devices

The GenTegraRNA-NEO solution is an Active Chemical Protection™ (ACP) technology by GenTegra distributed by Trajan for use on Mitra® devices based on VAMS® technology. You can use GenTegraRNA-NEO to pre-treat the Mitra devices and advance the way you collect, protect, and process your RNA samples. The GenTegraRNA-NEO comes as a dried matrix that you easily rehydrate in the lab. The rehydrated solution can be coated onto and dried on the VAMS tips of Mitra devices. When a sample is collected onto the VAMS tips GenTegraRNA-NEO will block naturally occurring nucleases and protect against environmental stresses that the sample may experience.

Advance Your RNA Research with Industry-Leading Volumetric Absorptive Microsampling Device

The Mitra® microsampling device based on VAMS® paired with GenTegraRNA-NEO offers cutting-edge RNA stabilization technology over a range of temperatures and humidities with no cold-chain handling required. Mitra dried matrix devices are compatible with finger-stick blood collection and can be used by virtually anyone, anywhere. This advances your RNA research to the next level with greater access to diverse, decentralized populations, reduced need for trained clinical staff, and reduced specimen handling costs.



Suitable Research Application Areas



Transcriptomics /
Biomarker Discovery



Pharmacogenomics



RNA Therapy
Development



Clinical Trial /
Research Screening

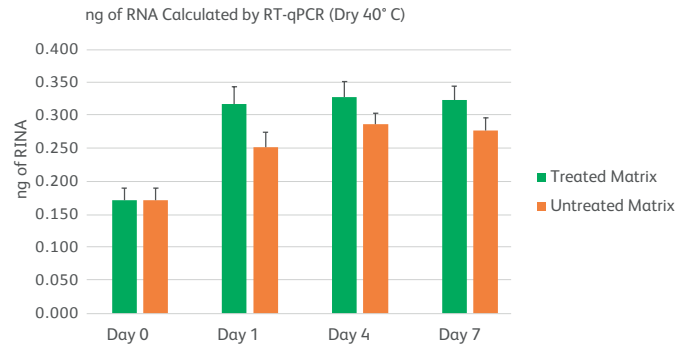
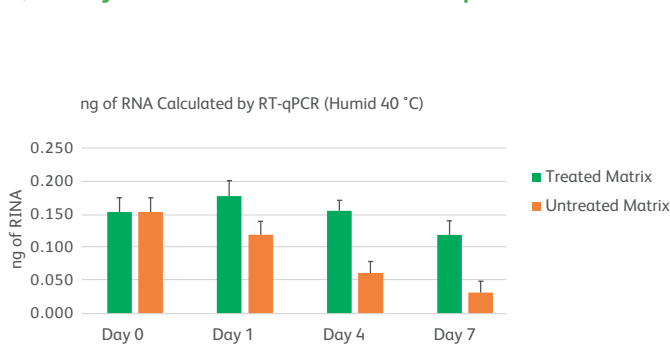


Genetic Determinants
of Disease

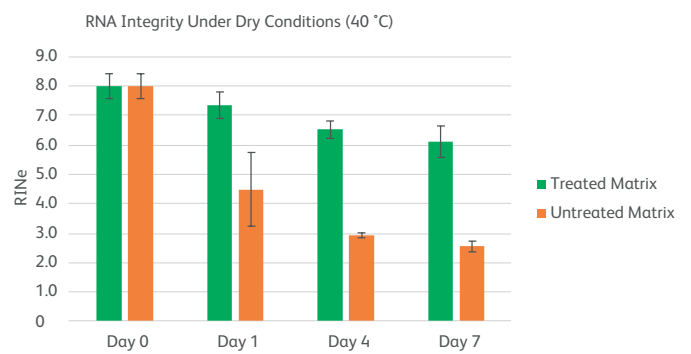
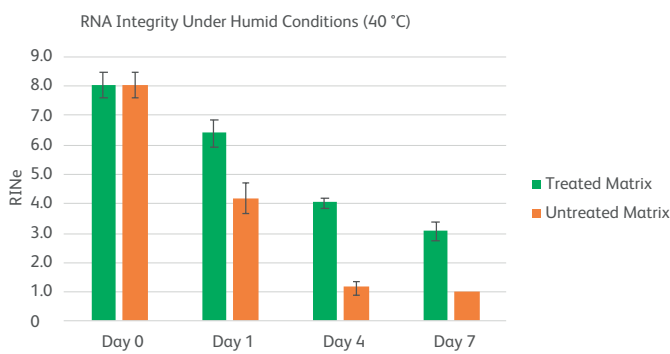


Disease
Pathogenesis

Quantity of RNA in Treated VAMS® Tips



Quality of RNA in Treated VAMS Tips



Simplified Workflow for Applying GenTegraRNA-NEO to Mitra Devices

Apply 30µL GenTegraRNA-NEO solution to each VAMS tip



Dry tips at ambient temperature before sample collection



Collect blood sample and dry tip to stabilize the RNA



Extract RNA from the VAMS tip of the Mitra device

Product Specifications

Catalog Number	GTRNEO-32
Format	Dried matrix in 2mL vial
Shelf-Life as Dried Matrix	3-years at room temperature
Rehydration Volume	1,100µL of molecular biology grade water
Shelf-Life as Rehydrated Solution	6-months at 4 °C rehydrated
Solution Volume Absorbed per VAMS Tip	30µL; Dried on tip before use
Blood Sample Collection Volume per VAMS Tip	30µL (RSD < 5%)
RNA Stabilization in Whole Blood	7 days – dried whole blood on VAMS tip at room temperature
RNA Yield per VAMS tip	Dependent upon sample & RNA isolation kit used, but typically 0.15 – 0.30ng per 2x VAMS tips
RNA Quality	Typical RIN Scores > 6 (@ 7 days, room temperature, dry conditions)

*GenTegraRNA-NEO is for Research Use Only.

Disclaimer: GenTegraRNA-NEO is for research use only (RUO) and manufactured by GenTegra. Active Chemical Protection™ (ACP) is a trademark of GenTegra. Distribution of GenTegraRNA-NEO is limited to the United States and Europe.

Mitra® devices are CE-IVD (IVDR) devices intended as specimen collectors and for the storage and transport of dried blood. They are available as registered IVD devices in the European Union and United Kingdom, Australia, Brazil, China, and Canada, as well as multiple Health Ministries worldwide. In the USA, Mitra devices are supplied as a research use only (RUO) product to assist in method development, other research-related and non-diagnostic activities. Mitra has not been validated for use with any diagnostic testing. Mitra® & VAMS® are registered trademarks owned by Trajan Scientific Australia Pty Ltd.