



## **SCSR-T™ Biological Sample Preservation Medium**

### ***Room Temperature Collection and Preservation of Host Cells from Biological Samples***

#### **DESCRIPTION**

SCSR-T™ is a general purpose preservative for biological samples. It has been formulated to maintain the integrity and viability of eukaryotic cells for downstream analysis. Samples preserved using SCSR-T can be transported at room-temperature and used for cell isolation\*, DNA and RNA extraction, intracellular microbial analysis, analysis of viral integration into the host genome, pharmacogenomics, nutrient-gene interaction studies. SCSR-T™ is non-toxic and non-hazardous.

While primarily targeted at fecal samples, SCSR-T can also be used for room-temperature preservation of cells in blood (use heparinized or EDTA collection tubes), breast aspirates, pancreatic aspirates, sputum, ascites fluid and pleural fluid. The typical yield for fecal samples\* is 1-5 million cells/g sample.

#### **STORAGE/SHELF LIFE**

SCSR-T™ should be stored in the dark at 4°C. Shelf life is 6 months. Solution color can vary from light orange to dark red without loss of activity. Do not use if the solution has turned bright yellow.

#### **SAMPLE COLLECTION**

For fecal or tissue samples, optimum cell yields are obtained at between 15ml and 30ml per gram of sample. Pre-weigh collection vials so that sample weight can be determined.

For biological fluids, we suggest a 1:1 v/v ratio of SCSR-T to sample. For blood samples, use heparinized or EDTA vials.

In the case of fecal samples, it is important that samples are thoroughly dispersed in SCSR-T solution. Shake the suspension vigorously (or vortex for 5-10 seconds if possible). It is helpful to include glass beads in the collection tubes. For collecting mouse and rat samples, a metabolic cage is helpful. If collecting over an extended period, check for fecal pellets several times per hour to avoid drying.

#### **TRANSPORT OF BIOLOGICAL SAMPLES**

Samples can be transported at room temperature a maximum of 7 days. Collection vials should be shipped in an ambient-temperature diagnostic specimen package (see MSDS for applicable regulations). If ambient temperatures are above 85°F/30°C, we recommend using an insulated specimen package, adding cold packs, and shipping for no more than 48 hours.

\*Note: the SCSR-10™ Kit provides collection tubes, reagents, and consumables for the preservation and isolation of cells from 10 samples. SCSR-10™ kits have been used to isolate cells from human, rat, mouse, cattle, dog, cat, monkey, goat, and sheep fecal samples.



## **NonInvasive Technologies**

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# **MATERIAL SAFETY DATA SHEET**

## **1. PRODUCT IDENTIFICATION**

TRADE NAME: SCSR-T Biological Sample Preservation Medium

CATALOG NUMBER: SCSR-T

PRODUCT USE: Medium for Preservation of Biological Samples  
For Research Only  
Not For Human Consumption

MANUFACTURER: NONINVASIVE TECHNOLOGIES, LLC  
ADDRESS: 8170 Lark Brown Road  
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## **2. INFORMATION ON COMPONENTS**

Puck's Saline G	>99%	non-hazardous
Proprietary Components		non-hazardous

## **3. HAZARD IDENTIFICATION**

INFORMATION PERTAINING TO PARTICULAR DANGERS FOR MAN AND ENVIRONMENT: Product classified non-hazardous under 29CFR1910.1200AppA.

TRANSPORT: Non-hazardous by Surface or Air Transport. Stool samples in collection tubes should be shipped in packages meeting requirements for transport of infectious substances 49CFR 173.196 and IATA Packing Instruction 602 and 49CFR 178.604 for air-transport. Ref. DOT (hazmat.dot.gov) and IATA (www.iata.org).



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