

Method 1 – Storage, Retrieval and Transport of biopsies under *Hypothermic* conditions

- a) AQIX® RS-S solution is packaged in 125 mL and 250 mL containers.
- b) Store AQIX® RS-S solution containers in a fridge @ 3 – 8 °C for not longer than 6 weeks.
- c) Dispatch AQIX® RS-S solution containers to tissue retrieval site.
- d) Maintain AQIX® RS-S solution containers @ 3 – 8 °C at tissue retrieval site.
- e) Open AQIX® RS-S container for the minimum time possible before inserting the **1.5cm x 1.5cm** colon biopsy sample.
- f) Quickly attach the lid closure on the container and close tightly.
- g) Transport container back to laboratory @ 0-4 °C (over ‘wet’ ice) in a polystyrene, outer box.
- h) Conduct drug bioassay experiments immediately upon arrival of the tissue biopsy samples in the laboratory using carbogenated AQIX® RS-I @ 37C [**recommended**],
or,
- i) Store AQIX® RS-S container + specimen in a fridge @ 3 – 8 °C overnight prior to conducting drug bioassay experiments the next day using carbogenated AQIX® RS-I @ 37 °C,
or,
- j) Transfer colon biopsy samples into a Tissue Culture medium for incubation @ 37 °C.

Method 2 – Storage, Retrieval and Transport of biopsies at *Ambient* Temperatures

- a) AQIX® RS-S solution is packaged in 125 mL and 250 mL containers.
- b) Store **carbogenated** AQIX® RS-S solution containers @ 3 – 8 °C for not longer than 6 weeks.
- c) Dispatch AQIX® RS-S solution containers @ ambient temperatures to tissue retrieval site
- d) Maintain AQIX® RS-S solution containers @ ambient temperatures at tissue retrieval site.
- e) Open AQIX® RS-S container for the minimum time possible before inserting the **1.5cm x 1.5cm** colon biopsy sample.
- f) Quickly attach the lid closure on the container and close tightly.
- g) Transport container back to laboratory @ ambient temperature and in a polystyrene, outer box when temperatures exceed 25 °C or fall below 0 °C.
- h) Conduct drug bioassay experiments immediately upon arrival of the tissue biopsy sample in the laboratory using carbogenated AQIX® RS-I @ 37 °C [**recommended**],
or,
- i) Store AQIX® RS-S container + sample(s) in a fridge @ 3 - 8 °C overnight prior to conducting drug bioassay experiments the next day using carbogenated AQIX® RS-I @ 37 °C,
or,
- j) Transfer colon biopsy samples into a Tissue Culture medium for incubation @ 37 °C.

Addendum

1. AQIX® RS-I solution may be substituted for AQIX® RS-S solution for either hypothermic or ambient temperature procurement of the colon biopsies but AQIX® RS-S solution is preferred for ambient temperature procurement.
2. If tissue contamination becomes a problem then additional AQIX® RS-I solution may be needed to thoroughly rinse the colon biopsies before inserting into AQIX® RS-S solution specimen bottles. Additionally, 100 mg/L of Chloromycetin may be added to AQIX® RS-S solution to prevent bacterial contamination without compromising the viability of the biopsy specimens.