Human Colon Biopsy Trials [CA/RSS/Sept07]

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

a) Store carbogenated AQIX® RSS kit solution in fridge @ 8 – 10 °C.
b) Transport the AQIX® RSS kit container @ 0-4 C (over 'wet' ice) to tissue retrieval site.
c) Maintain AQIX® RSS kit container @ 0-4 C (over 'wet' ice) at tissue retrieval site.
d) Open AQIX® RSS kit container for the minimal time possible during insertion of the 1.5cm x 1.5cm colon biopsy sample.
e) Quickly attach the lid closure and seal the 125 mL kit RSS bottle tightly.
f) Transport back to laboratory @ 0-4 °C (over 'wet' ice) in a polystyrene, outer box.
g) Conduct experiments immediately in laboratory using carbogenated AQIX® RS-I @ 37 °C, **or**,
h) Store AQIX® RSS kit container + specimen in the fridge @ 8 – 10 °C overnight prior to conducting the experiments the next day using carbogenated AQIX® RS-I @ 37 °C,
or,
i) Transfer colon biopsy samples into a conventional tissue culture incubation medium,
or,
j) Snap freeze colon biopsy samples for future processing,
or,
k) Process using conventional proteomic, genomic, histopathology analytical techniques.

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

a) Store carbogenated AQIX® RS-S solution @ 15 – 25 ˚C.

Repeat steps b) to k) above.

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 skin or colon biopsies before inserting into the 125 mL AQIX® RSS kit solution specimen bottles.

   Additionally, 100 mg/L of Chloromycetin or 25-50mg/L of Nanomycopulitin may be added to AQIX® RSS kit solution to prevent bacterial contamination without compromising the viability of the biopsy specimens.