[COL/RSI/PERF/JULY08] Perfused Human Colon Biopsy Procedures

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

a) AQIX® RS-I solution is packaged in 125 mL or 250 mL [PET or glass] containers.

b) Store AQIX® RS-I solution containers in a fridge @ 3 – 8 ºC for not longer than 6 weeks*****.

c) Dispatch AQIX® RS-I solution containers to tissue retrieval site.

d) Maintain AQIX® RS-I solution containers @ 3 – 8 ºC at tissue retrieval site.

e) Open AQIX® RS-I container for the minimum time possible before inserting the colon biopsy sample (Sample size in each 125 mL container preferably should not exceed 5.0 gm).

f) Quickly attach the lid closure on the container and close tightly.

g) Transport the 125 mL container back to laboratory @ 0-4 ºC (over 'wet' ice) in a polystyrene, outer box.

h) Conduct experimental procedures immediately upon arrival of the tissue biopsy samples in the laboratory [**recommended**],

or,

i) Store AQIX® RS-I container + specimen in a fridge @ 3 – 8 ºC overnight prior to conducting experimental procedures the next day [**optional**],

or,

j) Continuously perfuse the isolated colon biopsies in conventional Organ bath equipment using carbogenated AQIX® RS-I solution over a temperature range of 20 – 37 ºC

Addendum

1. If tissue contamination at the site of procurement becomes a problem then additional AQIX® RS-I solution may be needed to thoroughly rinse the colon biopsies before inserting into solution specimen bottles. Additionally, 100 mg/L of Chloromycetin may be added to AQIX® RS-I solution to prevent bacterial contamination without compromising the viability of the biopsy specimens.

[***** The current working shelf-life for the 'ready-to-use' AQIX® RS-I solution is expected to be extended following stability tests now being conducted]