**Additional file 6**

Culture medium for primary culture of proximal tubular cells.

Ham’s F12 nutrient mixture 50%, Dulbecco’s modified Eagle medium 50%

Insulin 5 µg/mL

Dexamethasone 5 x10-8M

Selenium 60 nM

Transferrin 5 µg/mL

Triiodothyronine 1 x10-9M

EGF 10 ng/mL

HEPES 20 mM

Glutamine 2mM

Decomplemented fetal calf serum 2%

D Glucose 0.2%