

## *Supplement:*

### **Charm II Test for Antimicrobial Drugs in Kidney and Liver Tissue**

**IMPORTANT:** Read all instructions before beginning assay. For complete instructions, refer to “Charm ... Test ... in Tissue” Operator’s Manual for Charm II: beta-lactams, tetracyclines, macrolides, streptomycin, gentamicin-neomycin, sulfa drugs, chloramphenicol or amphenicols.

#### **1. Kidney**

There is no additional sample preparation necessary for Kidney. Perform the Extraction Procedure as listed in the appropriate Operator’s Manual.

#### **2. Liver**

1. Follow the Extraction Procedure for Tissue as outlined in the appropriate Operator’s Manual.
2. After centrifugation, pour off the liquid extract into a clean conical tube.
3. Dilute this liquid extract 1:4 with Negative Control (for example, add 2.0 ml of liquid extract to 6.0 ml of Negative Control). Mix well.
4. Use the diluted liquid extract in the assay procedure.

#### **3. Sensitivity**

Determination of control point for kidney and liver tissue is the same as for tissue as per the operator’s manual.

1. The sensitivity for kidney without any additional dilution is the same as that listed for tissue in the operator’s manual.
2. The sensitivity for liver with the additional 1:4 dilution is 1/4 that listed for tissue in the operator’s manual. That is, the detection level is 4 times higher than that listed for tissue.