



## **Treatment of partial plates**

### **General information:**

#### Microtitre plates:

Microtitre plates coated with antigen are sensitive to exposure to moisture. All actions required when running partial plates are directed at avoiding the unused wells to get moist. However it's impossible to avoid exposure to moisture for 100%. Therefore the shelf life of the plate will be impaired by running partial plates. We recommend that you use the entire plate within 2 – 6 weeks after having used the partial plate for the first time.

#### Conjugate:

Another component of which the shelf life will be shortened is the conjugate. This is because the conjugate will be allowed to get to room temperature more frequently than when using full plates. The solution is to avoid the flask containing conjugate to get to room temperature by measuring the required amount immediately when taking the kit out of the refrigerator. After measuring the correct amount return the conjugate to the refrigerator.

#### Positive and negative controls:

The kit contains sufficient volume of positive and negative controls to enable a maximum of 15 runs.

*We strongly recommend to use the prediluted reference control on every run as the plate quality might be impaired*

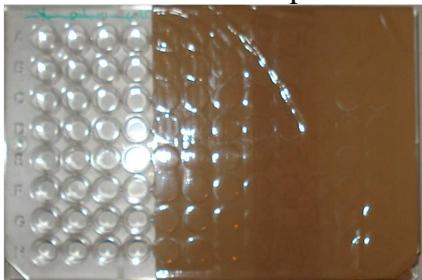
### **Treatment of the coated microtitre plate:**

#### Step 1

Open the aluminum pouch containing the plate in such a manner that the pouch can be reused. Alternatively use the pouch available from Biochek part no BC PP

#### Step 2

Cover the wells not intended for use with adhesive tape or Nunc single plate sealing tapes(available on request). (Don't put any tape at the bottom of the plate, as glue will remain after removal of the tape and the glue will have an effect on the OD readings at future use)



#### Step 3

Run assay and wash in such a manner that covered wells don't get exposed to any reagent.

#### Step 4

After finishing the assay, blot the used wells thoroughly, so no moisture remains in wells

M:\tech\training\Treatment of partial plates.doc



## BioChek Technical Bulletin

### Step 5

Mark the used wells with water resistant marker pen

### Step 6

Put plate in aluminum pouch together with at least one pouch of (blue) desiccant. In the case that the desiccant is pink don't use.



### Step 7

Seal pouch containing plate and desiccant with adhesive tape. Alternative is using the zip lock pouch provided by BioChek

### Step 8

Write date & wells remaining on pouch



### Step 9

On reusing the plate remove tape from covered unused wells. Only uncover the wells intended for use. Leave wells not intended for use covered. Usually a small sharp knife is recommended for removal of tape. Then repeat steps 1-8 once more.