

## OBČUTLJIVOST TESTOV ZA UGOTAVLJANJE PRISOTNOSTI ZAVIRALNIH SNOVI

### I. Delvotest SP NT (PM-18)

Delvotest SP NT je kvalitativni test za ugotavljanje prisotnosti zaviralnih snovi, ki zazna širok spekter antibiotikov. Proizvajalec testa za različne vrste antibiotikov navaja različne občutljivosti testa:

- amoksicilin (amoxicillin) – 3 ppb
- ampicilin (ampicillin) – 3 ppb
- kloksacilin (cloxacillin) – 16 ppb
- dikloksacilin (dicloxacillin) – 8 ppb
- penicilin (penicillin) – 2 ppb
- nafcilin (nafcillin) – 5 ppb
- cefalonij (cefalonium) – 8 ppb
- cefoperazon (cefoperazone) – 45 ppb
- cefkvinom (cefquinome) – >100 ppb
- cefaleksin (cephalexin) – 70 ppb
- dihidrostreptomycin (dihydrostreptomycin) – 1200 ppb
- neomicin (neomycin) – 340 ppb
- streptomycin (streptomycin) – 1800 ppb
- eritromicin (erythromycin) – 180 ppb
- linkomicin (lincomycin) – 300 ppb
- novobiocin (novobiocin) – >1500 ppb
- rifaksimim (rifaximin) – >100 ppb
- spiramicin (spiramycin) – 540 ppb
- tilozin (tylosin) – 50 ppb
- tetraciklin (tetracycline) – 700 ppb
- oksitetraciklin (oxytetracycline) – 680 ppb
- sulfadiazin (sulfadiazine) – 170 ppb
- sulfadoksin (sulfadoxine) – >300 ppb
- sulfatiazol (sulfathiazol) – 90 ppb
- bacitracin (bacitracin) – 750 ppb

Vir: technical bulletin, Delvotest SP NT, april 5, 2011

## II. Twinsensor Plus (PM-21)

Twinsensor Plus je kvantitativni test za ugotavljanje prisotnosti tetraciklinskih in beta-laktamskih antibiotikov v mleku. Proizvajalec testa za različne vrste antibiotikov navaja različne občutljivosti testa:

- penicilin-G (penicillin-G): 2-3 ppb
- ampicilin (ampicillin): 2-4 ppb
- amoksicilin (amoxicillin): 3-4 ppb
- oksacilin (oxacillin): 9-18 ppb
- kloksacilin (cloxacillin): 6-10 ppb
- dikloksacilin (dicloxacillin): 6-10 ppb
- nafcilin (nafcillin): 80-125 ppb
- piperacilin (piperacillin): 1-4 ppb
- tikarcilin (ticarcillin): 15-30 ppb
- aspoksicilin (aspoxicillin): 1-5 ppb
- fenoksimetilpenicilin (phenoxymethyl-penicillin (Pen V)): 2-4 ppb
- hetacilin (hetacillin): 2-4 ppb
- penetamat (penethamate): 2-3 ppb
- ceftiofur (ceftiofur): 10-15 ppb
- desfuroil ceftiofur (desfuroyl ceftiofur): 60-80 ppb
- cefkvinom (cefquinome): 15-20 ppb
- cefazolin (cefazolin): 14-22 ppb
- cefapirin (cefapirin): 6-8 ppb
- desacetil cefapirin (desacetyl cephalirin): 25-50 ppb
- cefacetril (cefacetrile): 15-30 ppb
- cefoperazon (cefoperazone): 3-6 ppb
- cefaleksin (cefalexin): 50-100 ppb
- cefalonij (cefalonium): 3-5 ppb
- cefalotin (cefalotine): 4-6 ppb
- ceftriakson (ceftriaxone): 5-10 ppb
- ceftizoksim (ceftizoxime): 300-450 ppb
- cefotaksim (cefotaxime): 20-40 ppb
- cefuroksim (cefuroxime): 90-125 ppb
- klortetraciklin (chlortetracycline): 30-40 ppb
- doksiciklin (doxycycline): 10-15 ppb
- oksitetraciklin (oxytetracycline): 50-60 ppb
- tetraciklin (tetracycline): 80-100 ppb
- klavulanska kislina (clavulanic acid): 1500-2000 ppb

Vir: Twinsensor Plus, v.1.4, 21.02.2022

### III. BRT MRL-screening test (PM-01)

BRT MRL-screening test je kvalitativni test za ugotavljanje prisotnosti zaviralnih snovi, ki zazna širok spekter antibiotikov. Proizvajalec testa za različne vrste antibiotikov navaja različne občutljivosti testa:

- amoksicilin (amoxicillin) – 2,5 ppb
- ampicilin (ampicillin) – 2 ppb
- benzilpenicilin (benzylpenicillin) – 1,5 ppb
- kloksacilin (cloxacillin) – 18 ppb
- dikloksacilin (dicloxacillin) – 10 ppb
- nafcilin (nafcillin) – 8 ppb
- oksacilin (oxacillin) – 8 ppb
- cefapirin (cefapirin) – 5 ppb
- cefazolin (cefazolin) – 6 ppb
- cefoperazon (cefoperazone) – 20 ppb
- cefaleksin (cefalexin) – 250 ppb
- cefkvinom (cefquinome) – 200 ppb
- ceftiofur (ceftiofur) – 100 ppb
- cefalonij (cefalonium) – 10 ppb
- eritromicin (erythromycin) – 50 ppb
- tilozin (tylosin) – 30 ppb
- oksitetraciklin (oxytetracycline) – 200 ppb
- klortetraciklin (chlortetracycline) – 400 ppb
- tetraciklin (tetracycline) – 300 ppb
- sulfadiazin (sulfadiazine) – 100 ppb
- sulfadimetoksin (sulfadimethoxin) – 100 ppb
- sulfametazin (sulfamethazine) – 200 ppb
- sulfatiazol (sulfathiazol) – 60 ppb
- sulfadoksin (sulfadoxin) – 300 ppb
- sulfametoksipiridazin (sulfamethoxypyridazine) – 100 ppb
- DH- streptomycin (DH-streptomycin) – 400 ppb
- streptomycin (streptomycin) – 500 ppb
- gentamicin (gentamicin) – 80 ppb
- neomicin (neomycin) – 200 ppb
- linkomicin (lincomycin) – 100 ppb
- kloramfenikol (chloramphenicol) – 3500 ppb

Vir: BRT detection sensitivities, 03-2019