

## B.4 Modified charcoal cefoperazone deoxycholate agar (mCCD agar)

### B.4.1 Basic medium

#### B.4.1.1 Composition

Meat extract		10,0 g
Enzymatic digest of animal tissues		10,0 g
Sodium chloride	(CAS No. 7647-14-5)	5,0 g
Activated charcoal	(CAS No. 7440-44-0)	4,0 g
Enzymatic digest of casein		3,0 g
Sodium deoxycholate	(CAS No. 302-95-4)	1,0 g
Iron(II) sulfate hydrate	(CAS No. 13463-43-9)	0,25 g
Sodium pyruvate	(CAS No. 113-24-6)	0,25 g
Agar		8,0 g to 18,0 g <sup>a</sup>
Water		1 000 ml

<sup>a</sup> Depending on the gel strength of the agar.

#### B.4.1.2 Preparation

Dissolve the basic components or the dehydrated complete basic medium in the water, by bringing to the boil. Adjust the pH, if necessary, so that after sterilization it is  $7,4 \pm 0,2$  at 25 °C. Dispense the basic medium into flasks or bottles of suitable capacity. Sterilize in the autoclave set at 121 °C for 15 min.

### B.4.2 Antibiotic solution

#### B.4.2.1 Composition

Cefoperazone sodium salt	(CAS No. 62893-20-3)	0,032 g
Amphotericin B	(CAS No. 1397-89-3)	0,01 g
Water		5 ml

#### B.4.2.2 Preparation

Dissolve the components in the water. Sterilize by filtration.

### B.4.3 Complete medium

#### B.4.3.1 Composition

Basic medium (B.4.1)	1 000 ml
Antibiotic solution (B.4.2)	5 ml