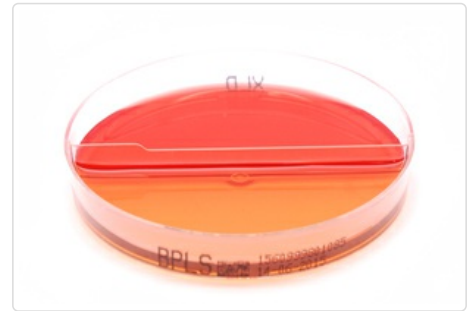


## BPLS-Agar mod. / XLD-Agar nach harm. EP/USP/JP

|                            |                               |
|----------------------------|-------------------------------|
| <b>Shorthand symbol:</b>   | BPLS/XLD                      |
| <b>Item number:</b>        | 42-1560                       |
| <b>Format:</b>             | Double Petri dish, 90mm       |
| <b>Colour:</b>             | Reddish-Brown                 |
| <b>Storage conditions:</b> | Dry and closed at 4-10°C      |
| <b>Shelf-life:</b>         | 2 Months                      |
| <b>pH:</b>                 | 7.0 ± 0.2 / 7.4 ± 0.2 at 25°C |



### Intended use and fields of application

For the isolation of salmonella from food.

## Typical composition in g/l

### **Brilliant green-Phenol-Agar according to Edel and Kampelmacher:**

#### **in g per 1l Medium**

|                             |       |
|-----------------------------|-------|
| Peptone                     | 10    |
| Meat extract                | 5     |
| Yeast extract               | 3     |
| Lactose                     | 10    |
| Sucrose                     | 10    |
| Disodium hydrogen phosphate | 1     |
| Sodium dihydrogen phosphate | 0.6   |
| Brilliant green             | 0.005 |
| Phenol red                  | 0.09  |
| Agar                        | 10    |

### **Xylose-Lysine-Deoxycholate Agar nach EP/USP/JP:**

#### **in g per 1l Medium**

|                             |      |
|-----------------------------|------|
| Yeast extract               | 3.0  |
| L-Lysine                    | 5.0  |
| Xylose                      | 3.5  |
| Lactose-Monohydrate         | 7.5  |
| Sucrose                     | 7.5  |
| Sodium deoxycholate         | 2.5  |
| Sodium thiosulphate         | 6.8  |
| Ammonium Iron (III)-citrate | 0.8  |
| Phenol red                  | 0.08 |
| sodium chloride             | 5.0  |
| Agar                        | 13.5 |

\*Adjusted as required to meet performance standards

## Microbiological quality control

The microbial performance test is carried out in conformity with the requirements of DIN EN ISO 11133.

### **Brilliant green-Phenol-Agar according to Edel and Kampelmacher:**

#### **Productivity**

Incubation conditions: 24 ± 3 hours at 37 ± 1 °C; Inoculum concentration: 80 – 120 CFU

| Organism                       | Test strain            | Specification | Colony morphology        |
|--------------------------------|------------------------|---------------|--------------------------|
| Salmonella enterica ssp. abony | NCTC 6017 / WDCM 00029 | 50 – 130 %    | Red colonies, Red medium |

#### **Selectivity**

Incubation conditions: 44 ± 3 hours at 37 ± 1 °C; Inoculum concentration: 104 – 106 CFU

| Organism              | Test strain             | Specification                | Colony morphology |
|-----------------------|-------------------------|------------------------------|-------------------|
| Enterococcus faecalis | ATCC 19433 / WDCM 00009 | Complete inhibition          | -                 |
| Escherichia coli      | ATCC 8739 / WDCM 00012  | Growth or Partial inhibition | -                 |

#### **Microbial Contamination**

Incubation conditions: 5 – 7 days at 20 – 25 °C and 5 – 7 days at 30 – 35 °C

#### **Specification**

No microbial contamination

### **Xylose-Lysine-Deoxycholate Agar according to EP/USP/JP:**

The microbial performance test is carried out in conformity with the requirements of DIN EN ISO 11133 and the Pharm. Eur. (Microbiological testing of non-sterile products according to Chapter 2.6.13).

#### **Productivity**

Incubation conditions: 24 ± 3 hours at 37 ± 1 °C; Inoculum concentration: 10 – 100 CFU

| Organism                                | Test strain             | Specification | Colony morphology                                                                                          |
|-----------------------------------------|-------------------------|---------------|------------------------------------------------------------------------------------------------------------|
| Salmonella enterica serovar Abony       | NCTC 6017 / WDCM 00029  | Good growth   | Colonies with a black center and a slightly transparent reddish zone due to the color change of the medium |
| Salmonella enterica serovar Enteritidis | ATCC 13076 / WDCM 00030 | 50 – 130 %    | Colonies with a black center and a slightly transparent reddish zone due to the color change of the medium |

#### **Selectivity**

Incubation conditions: 24 ± 3 hours at 37 ± 1 °C; Inoculum concentration: 10.000 – 1.000.000 CFU

| Organism              | Test strain             | Specification       | Colony morphology |
|-----------------------|-------------------------|---------------------|-------------------|
| Escherichia coli      | ATCC 8739 / WDCM 00012  | Complete inhibition | -                 |
| Enterococcus faecalis | ATCC 19433 / WDCM 00009 | Complete inhibition | -                 |

**Microbial Contamination**

Incubation conditions: 5 – 7 days at 20 – 25 °C and 5 – 7 days at 30 – 35 °C

**Specification**

No microbial contamination