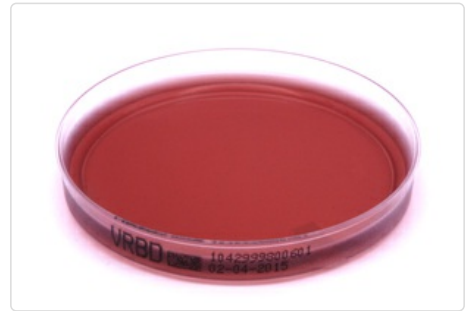


## Violet Red Bile Dextrose Agar (VRBD) according to harm. EP/USP/JP (VRBD)

Recommended by the Harmonised European Pharmacopoeia

<b>Shorthand symbol:</b>	VRBD
<b>Item number:</b>	40-1042
<b>Format:</b>	Petri Dish, 90mm
<b>Colour:</b>	Violet, transparent
<b>Storage conditions:</b>	Dry, in closed bag, at 4 – 10°C.
<b>Shelf-life:</b>	6 Months
<b>pH:</b>	7.4 ± 0.2 at 25°C



### Intended use and fields of application

Violet Red Bile Dextrose Agar (VRBD) medium is used for the detection and enumeration of bile-tolerant gram negative bacteria from foods such as milk and dairy products, egg products and animal carcasses. Moreover VRBD Agar is used for the detection of Enterobacteriaceae in meat and dairy products. The culture medium complies with the requirements of the method included in the EP/USP/JP.

### Typical composition in g/l

#### in g per 1 litre Nutrient medium

Yeast Extract	3
Pancreatic-digest of Gelatine Peptone	7
Bile Salts/td>	1.5
Sodium Chloride	5
Glucose Monohydrate	10
Neutral Red	0.03
Crystal Violet	0.002
Agar	15

\*Adjusted as required to meet performance standards

## Microbiological quality control

The Microbiological Performance Test is carried out in accordance with the requirements of PhEur. (Microbiological Examination of Non-Sterile Products in accordance with Chapter 2.6.13).

### Productivity

Incubation conditions: 24±2 hours at 37±1°C; Inoculum concentration: Targer organisms: 80–120 CFU

Organism	Type Strain	Specification	Colony morphology
Salmonella enterica ssp. Abony	NCTC 6017/WDCM 00029	50–130 %	Pink-red colonies and no odour and no precipitate
Escherichia coli	ATCC 8739/WDCM 00012	50–130 %	Pink-red colonies and no odour and no precipitate

### Selectivity

Incubation conditions: 24±2 hours at 37±1°C; Inoculum concentration: 10.000–1.000.000 CFU

Organism	Type Strain	Specification	Colony morphology
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