# Baird-Parker Agar (Base)

TN1104 500 g
TN1104-01 5 kg

## Intended use
Used for the isolation and differentiation of *Staphylococcus aureus* from foodstuffs (according to § 64 German Food and Feed Code) and from pharmaceutical materials.

## Form
Powder

## Colour
Bright beige

## Storage
Dry, tightly closed, at 10...30 °C.

## Shelf life
5 years

## Directions
Suspend 63 g in 950 ml distilled water and heat until completely dissolved. Autoclave at 121 °C for 15 minutes and cool down to 45-50 °C. Under aseptic conditions, add 2 bottles (= 50 ml) Egg Yolk Tellurite Emulsion (TN1310) to 950 ml base medium. Mix well and pour plates.

## Typical composition

| Component | g/l |
|---|---|
| Pancreatic digest of casein | 10 |
| Meat extract | 5 |
| Yeast extract | 1 |
| Lithium chloride | 5 |
| Agar | 20 |
| Glycine | 12 |
| Sodium pyruvate | 10 |

## Final pH at 25 °C
6.8 ± 0.2

## Mikrobiologische Qualitätskontrolle
Incubation: *Staphylococcus aureus* aerobically, 24 ± 2 h at 37 ± 1 °C
aerobically, 48 ± 2 h at 37 ± 1 °C

| Test strain | CFU/ platte | Recovery rate in %*) | Colony colour | Colony surroundings |
|---|---|---|---|---|
| *Staphylococcus aureus* ATCC 6538 WDCM 00032 | 80-120 | ≥ 50 % | grey to black, shiny | clear corona |
| *Staphylococcus aureus* ATCC 25923 WDCM 00034 | 80-120 | ≥ 50 % | grey to black, shiny | clear corona |
| *Staphylococcus epidermidis* ATCC 12228 WDCM 00036 | ≥ $10^3$ | no limit | grey to black, shiny | no corona |
| *Staphylococcus saprophyticus* ATCC 15305 WDCM 00159 | ≥ $10^3$ | no limit | grey to black, shiny | no corona |
| *Escherichia coli* ATCC 8739 WDCM 00012 | ≥ $10^4$ | ≤ 0.1 % | n.a. | n.a. |
| *Escherichia coli* ATCC 25922 WDCM 00013 | ≥ $10^4$ | ≤ 0.1 % | n.a. | n.a. |
| *Pseudomonas aeruginosa* ATCC 9027 WDCM 00026 | ≥ $10^4$ | ≤ 0.1 % | n.a. | n.a. |

*) Reference medium used: TSA
A recovery rate of e.g. ≥ 50 % corresponds to a productivity ratio of PR ≥ 0.5.

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