

Specifikace přípravků Q-Swab a QD-Loop



OBSAH

- QS1000 - Buffered Peptone Water
- QS1100 - Universal Diluent Broth
- QS1200 - Lethen Broth
- QS1300 - Stuart Medium
- QS1400 - Amies Medium
- QD-Loop - Maximum Recovery Diluent

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Product Data Sheet

QS1000 – BUFFERED PEPTONE WATER

Buffered Peptone Water may be used as a pre-enrichment medium, prior to selective enrichment in the isolation of salmonellae from foods. It also provides conditions for resuscitation of cells that have been injured by processes of food preservation.

Formulation	g/litre
Peptone	10.0
Sodium chloride	5.0
Disodium phosphate	3.5
Potassium dihydrogen phosphate	1.5
PH 7.2 +/- 0.2	

Description

The Q-Swab product is a sampling device with a dry swab to collect a sample from a surface or any other area of interest. After breaking the snap valve, the medium is released to the sample for further incubation or other microbial investigations.

Appearance

Light straw coloured solution

Quality Control

Positive control

S. typhimurium ATCC 14028
S. poona NCTC 4840

Expected result

Turbid growth
Turbid growth

Negative control

Uninoculated medium

Expected result

No change

Precautions

Good Laboratory Practice (GLP). The medium may contain high amounts of pathogenic bacteria.

Product Data Sheet

QS1100 – UNIVERSAL DILUENT BROTH

Universal Diluent Broth combines the protective effect of peptone in the diluting solution with the osmotic support of physiological saline. The low concentration of peptone does not cause multiplication of the organisms within 1-2 hours of dilution of the sample. The isotonic strength of the diluent ensures recovery of organisms from various sources, which may be vulnerable in distilled water or aqueous suspensions.

Formulation	g/litre
Sodium chloride	8.5
Peptone	1.0
PH 7.0 +/- 0.2	

Description

The Q-Swab product is a sampling device with a dry swab to collect a sample from a surface or any other area of interest. After breaking the snap valve, the medium is released to the sample for further incubation or other microbial investigations.

Appearance

Colourless, clear solution

Quality Control

Negative control
Uninoculated medium

Expected result
No change

Precautions

Good Laboratory Practice (GLP).

Product Data Sheet

QS1200 – LETHEEN BROTH

A pre-enrichment medium most often used for samples where preservatives may be present. Letheen Broth contains lecithine and Tween 80, which neutralises most common preservatives.

Formulation	g/litre
Peptamine	10.0
Beef Extract	5.0
Tween 80	5.0
Sodium chloride	5.0
Lecithine	0.7
PH 7.0 +/- 0.2	

Description

The Q-Swab product is a sampling device with a dry swab to collect a sample from a surface or any other area of interest. After breaking the snap valve, the medium is released to the sample for further incubation or other microbial investigations.

Appearance

Light almost colourless solution

Quality Control

Positive control

E. coli ATCC 39403
B. subtilus ATCC 10783

Expected result

Turbid growth
Turbid growth

Negative control

Uninoculated medium

Expected result

No change

Precautions

Good Laboratory Practice (GLP).

Product Data Sheet

QS1300 – STUART MEDIUM

This medium is a non-nutritional substrate for the preservation of *Neisseria* species and other fastidious organisms during their transport from clinic to laboratory. Originally formulated for the conservation of *Neisseria gonorrhoeae* and *Trichomonas vaginalis*, it may also be used for the transport of other bacteriological specimens.

Formulation	g/litre
Sodium glycerophosphate	10.0
Sodium thioglycollate	0.5
Cysteine hydrochloride	0.5
Calcium chloride	0.1
Methylene blue	0.001
PH 7.4 +/- 0.2	

Description

The Q-Swab product is a sampling device with a dry swab to collect a sample from a surface or any other area of interest. After breaking the snap valve, the medium is released to the sample for further incubation or other microbial investigations.

Appearance

Off-white coloured transparent medium

Quality Control

Positive control

Strep. Pyogenes ATCC 19615

Expected result

Turbid growth

Negative control

Uninoculated medium

Expected result

No change

Precautions

Good Laboratory Practice (GLP). A small amount of blue colour at the top of the medium indicates oxidation.

Product Data Sheet

QS1400 – AMIES MEDIUM

An improved transport medium, containing charcoal to prolong the viability of pathogenic organisms, especially *Neisseria gonorrhoeae*.

Formulation	g/litre
Charcoal pharmaceutical	10.0
Sodium chloride	3.0
Sodium hydrogenphosphate	1.15
Sodium thioglycollate	1.0
Potassium dihydrogen phosphate	0.2
Potassium chloride	0.2
Calcium chloride	0.1
Magnesium chloride	0.1
PH 7.2 +/- 0.2	

Description

The Q-Swab product is a sampling device with a dry swab to collect a sample from a surface or any other area of interest. After breaking the snap valve, the medium is released to the sample for further incubation or other microbial investigations.

Appearance

Straw coloured solution

Quality Control

Positive control

S. aureus ATCC 25923

E. coli ATCC 25922

Expected result

Turbid growth

Turbid growth

Negative control

Uninoculated medium

Expected result

No change

Precautions

Good Laboratory Practice (GLP). The medium may contain high amounts of pathogenic bacteria.

Product Data Sheet

QD-LOOP – MAXIMUM RECOVERY DILUENT

The diluent complies with the recommendations of ISO 6887 and the German §35 Lebensmittelgesetz (German food law). This diluent can be used as an alternative to RINGER solution for milk and liquid milk products, dried milk, cheese, butter, meat and meat products, ice cream and chilled food based on milk. Maximum Recovery Diluent is of isotonic strength to ensure recovery of organisms from various sources and combines the protective effect of peptone in the diluent with the osmotic support of physiological saline. Within 1-2 hours of dilution of the sample there is no multiplication of organisms due to the low concentration of peptones.

Formulation	g/litre
Sodium chloride	8.5
Peptone	1.0
PH 7.0 +/- 0.2	

Description

The QD-Loop product is a Quick Dilution and sampling device with a loop or dipper to collect a defined amount from a liquid sample. After breaking the snap valve, the sample will be diluted and is ready for further microbial processing.

Appearance

Colourless solution

Quality Control

Positive control

E. coli ATCC 25922
Ent. faecalis ATCC 11700

Expected result

Colony counts after 0, 2, 4 & 6 hours
Colony counts after 0, 2, 4 & 6 hours

Negative control

Uninoculated medium

Expected result

No change

Precautions

Good Laboratory Practice (GLP).