“Delivering Quality by Performance”

Mycoplasma Experience Product Guide – Contract Media

January 2023

Contract Media are supplied by contractual agreement for "in-house" use only

General information

Mycoplasma Experience Contract media is research-quality isolation media supporting a wide range of species including *M. synoviae*, *M. hyopneumoniae*. *M. genitalium* and *M. hyorhinis* cultivar α (formerly described as 'non-cultivable')

Suitable applications for the Mycoplasma Media include veterinary, human, clinical and cell culture.

Media can be supplied freshly prepared and ready for use or, more usually, frozen (agar supplement and liquid medium) with the agar component of solid medium stored at +4°C. Frozen media are stable for six months before preparation. Agar plates are supplied fresh or are stable for at least 30 days if stored refrigerated.

QUALITY CONTROL

The growth-promoting properties of these media are identical to those prepared routinely for use at Mycoplasma Experience laboratories. Test validation documents are issued with every media lot.

All media are validated with stringent, low-passage strains. Examples of media validation forms are available on request and additional test strains can be specified.

INCUBATION

Solid mycoplasma medium is validated in 95% N_2/5% CO_2.

Solid ureaplasma medium is validated in either 95% N_2/5% CO_2 or CO_2 GasPak systems (BBL).

Mycoplasma and ureaplasma liquid media are validated in air-tight containers.

INHIBITORS

All media contains selective agents to prevent the growth of other bacterial species. To order without inhibitors please specify at the time of ordering or use code MEX after the product code.

RE-VALIDATION

All media can be re-validated when near the shelf-life to extend it another 6 months.

SOLID (AGAR) MEDIA PRODUCTS

Supplied as separate frozen supplement and agar components. Shelf life: 6 months with supplement stored @ -20ºC and agar at+4ºC

MS - Mycoplasma Agar & Supplement

Research quality isolation media supporting a wide range of species; validated with <100 colony forming unit inocula of:

M. arginini, M. hyorhinis cultivar α*, M. hyopneumoniae, M. orale, M. pneumoniae, M. synoviae, M. gallisepticum* and *A. laidlawii*.

Suitable for "Eur. Pharm: 2.6.7 MYCOPLASMAS" and all Regulatory Testing and isolation work. Other low passage organisms can be substituted/included on request.

Product Code	Volume (agar + supplement)	Price
MS1	100 ml	£28.00
MS5	500 ml	£120.00

AS - Mycoplasma Agar & Supplement for Avian Pathogens

The solid medium allows rapid isolation with colonies microscopically visible after incubation for only three days. Validated with *M. synoviae, M. gallisepticum, M. meleagridis and M. iowae*. Suitable for avian isolation work giving rapid colonial growth.

Product Code	Volume (agar + supplement)	Price
AS1	100 ml	£28.00
AS5	500 ml	£120.00

Minimum order: One Litre

US - Ureaplasma Agar & Supplement

The solid medium allows rapid isolation of human and animal ureaplasmas with colonies microscopically visible after incubation for only 24 hours for some species. Validated with veterinary or clinical species as appropriate.

Product Code	Volume (agar + supplement)	Price
US1	100 ml	£28.00
US5	500 ml	£120.00

Minimum order: One Litre

Poured Plate Service

A poured plate service is available for delivery to the UK only for our Solid Medium products.

Products MES (Mycoplasma) and MEUS (Ureaplasma) are issued with a shelf life of six weeks at +4°C.

Comparable validation data are not available for other products (AS, diagnostic plates) but shelf life could be determined on request. Currently they are issued with a nominal shelf-life of 14 days at +4°C.

Product lots issued are prepared to standard formulations with pre-validated constituents. Validation to the client's requirement is carried out on reserved plates during the shelf-life and a validation document issued on test completion.

Product	Number of plates	Price
Poured plates (60mm)	<100	£26.00 per 10 plates

5% discount on orders of 100 plates and over.

Minimum order: MES/MEUS - 20 plates. All other products – 100 plates

All plates are filled with 8mL of solid medium which gives an adequate depth. For European Pharmacopoeia (EP) tests, a 9mL fill may be specified. Please note that comparative testing has shown no difference in performance between the two volumes.

Product	Number of plates	Price
EP Poured plates (60mm)	<200	£28.00 per 10 plates

5% discount on orders of 200 plates and over

Poured plate orders should be placed in the week preceding delivery.

Delivery is Tuesday to Friday unless a same-day courier is requested.

Regular repeat orders, e.g. monthly, may be scheduled.

Liquid products to accompany the plates can also be supplied fresh. (Shelf life as for solid products.)

LIQUID MEDIA PRODUCTS

Supplied frozen. Shelf life: 6 months at -20°C (UL) or -70°C (ML, AL)

MLP- Mycoplasma Liquid Medium for "Eur. Pharm: 2.6.7 MYCOPLASMAS"

100mL or 500mL volumes validated with low passage strains of *M. pneumoniae, M. orale, M. hyorhinis* cultivar α , *A. laidlawii, M. synoviae* and *M. gallisepticum* at <40 colony forming units/100ml or equivalent.

Product Code	Volume	Price
MLP	100 ml	£24.00
MLP5	500 ml	£110.00
MLP8	800 ml	£175.00

Minimum order: Five Litres (NB 5% discount on volumes of 10 litres and over)

ML - Mycoplasma Liquid Medium

Validated with <20 colony forming units per ml of *M. arginini, M. hyorhinis* cultivar α*, M. hyopneumoniae, M. orale, M. pneumoniae, M. synoviae, M. gallisepticum* and *A. laidlawii*.

Other low passage organisms may be substituted/included on request.

Product Code	Volume	Price
ML2	20 ml	£7.00
ML5	50 ml	£11.00
ML10	100 ml	£22.00
ML50	500 ml	£105.00
ML100	1000 ml (1L)	£210.00
ML200	2000 ml (2L)	£420.00

Minimum order: One Litre (NB 5% discount on volumes of 5 litres and over)

AL-Avian Mycoplasma Liquid Medium

The Avian liquid medium gives an excellent colour change with *M. meleagridis.* Validated with *M. synoviae, M. gallisepticum, M. meleagridis* and *M. iowae.*

Product Code	Volume	Price
AL5	50 mL	£11.00
AL10	100 mL	£22.00
AL50	500 ml	£105.00

Minimum order: One Litre (NB 5% discount on volumes of 5 litres and over)

UL - Ureaplasma Liquid Medium

Isolation media for human and animal ureaplasmas. The liquid media is diagnostic in giving a colour change from yellow to purple.

Product Code	Volume	Price
UL5	50mL	£10.50
UL10	100mL	£21.00

Minimum order: One Litre (NB 5% discount on volumes of 5 litres and over)

Other volumes available upon request.

These products are custom made; please allow a minimum of three weeks for production and validation when ordering.

CONTRACT DIAGNOSTIC MEDIA

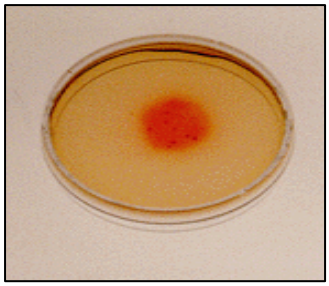
SOLID (AGAR) MEDIA PRODUCTS

Supplied as frozen supplements with agar.

Shelf life: 6 months at -20°C/+4°C respectively

M. bovis **Diagnostic Medium**

A solid isolation medium for *M. bovis*. The colonies develop a red colouration in 3-7 days and, in addition, the medium is selective in suppressing many likely contaminants.



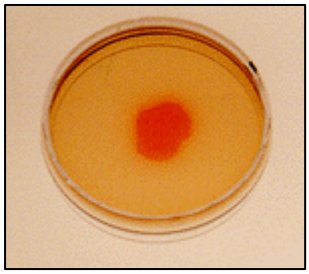
M.bovis 183 - macroscopic appearance after 7 days incubation on MB isolation medium.

Product Code	Volume	Price
MB1	100 ml	£25.00
MB5	500 ml	£110.00

Minimum order: One Litre (NB 5% discount on volumes of 5 litres and over)

M. agalactiae **Diagnostic Medium**

A solid isolation medium for *M. agalactiae* which, as for *M. bovis* Diagnostic Medium above, produces red colonies in 3 - 7 days and suppresses likely contaminants.



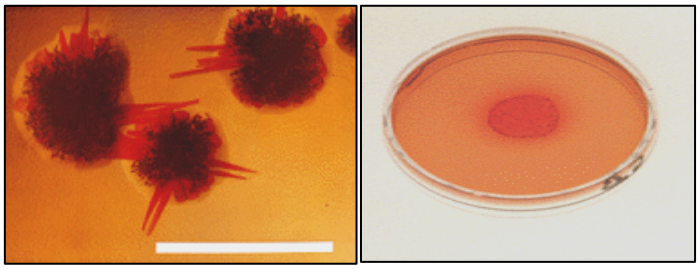
M. agalactiae Teramo - macroscopic appearance after 7 days incubation on MA detection medium.

Product Code	Volume	Price
MA1	100 ml	£25.00
MA5	500 ml	£110.00

Minimum order: One Litre (NB 5% discount on volumes of 5 litres and over)

CBPP Diagnostic Medium

A solid isolation medium for *M. mycoides* subsp. *Mycoides* (SC) on which colonies develop a red colouration over 7 days. Not selective – some likely contaminants can develop colouration more rapidly. Incubation atmosphere: 'Microaer' (Biomerieux).



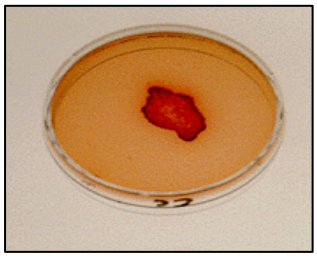
M. mycoides subsp. *mycoides* (SC) PG1 after 7 days incubation on CB isolation media. Microscopic and macroscopic appearance.

Product Code	Volume	Price
CB1	100 ml	£25.00
CB5	500 ml	£110.00

Minimum order: One Litre (NB 5% discount on volumes of 5 litres and over)

CCPP Diagnostic Medium

A solid isolation medium for *M. capricolum* subsp. *Capripneumoniae* on which colonies develop a red colouration over 7 days. Not selective - . Some likely contaminants can develop colouration more rapidly. Incubation atmosphere: 'Anaerogen' (Oxoid)



M. capricolum subsp. *capripneumoniae* M74/93 after 7 days incubation on CC isolation medium.

Product Code	Volume	Price
CC1	100 ml	£25.00
CC5	500 ml	£110.00

Minimum order: One Litre (NB 5% discount on volumes of 5 litres and over)

CONTRACT DETECTION MEDIA FOR USE WITH ANALYTICAL/CAPTURE FILTER MEMBRANES

SOLID (AGAR) MEDIA PRODUCTS

Supplied as frozen supplements with agar. Shelf-life 12 months at -20 °C/+4 °C respectively

AlErt 24

Acholeplasma laidlawii can be part of the bioburden of broth powders, both plant and animal derived serum-free cell culture media have also become contaminated, possibly from one or more components. The source has not been established.

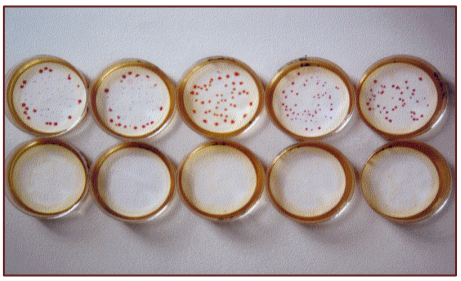
ALL FILTER STERILISED MEDIA MAY BE AT RISK

Mycoplasma Experience has been involved at every step of the *Acholeplasma laidlawii* contamination story:

- Identified an isolate as *A.laidlawii* from a TSB media fill sterility trial (1993)
- Subsequently isolated *A.laidlawii* from bacteriological broth powders
- Developed testing protocols for broth solutions and cell culture media, with associated QC, for the detection of *A. laidlawii*

And now....

We have designed a RAPID, animal-product-free *A.laidlawii* DETECTION MEDIUM which can be used for non- destructive testing of large volume samples. AlERT24 is an isolation medium allowing the detection of viable, colony forming units of *A.laidlawii* as visible, red colonies within 24 - 48 hours.



AlErt 24

Product Code	**Volume**	**Price**
AlErt 24-100	100 ml	£30.00
AlErt 24-500	500 ml	£145.00

Minimum order: One Litre (NB A 5% discount applies to volumes of 5 litres and over.

INCUBATION ATMOSPHERES

MB1, - Oxoid, 'CO_2GEN'

MA1, CB1 & CC1 -Biomerieux 'GenBox Microaer'

AlERT24 - 95% N_2 / 5% CO_2

NOTE: The technique of overlaying the membrane filter onto agar to give red colonies on the membrane can be replicated with all of our "Diagnostic agars" – for example for isolation of *M.bovis* from milk.

Standard Mycoplasma Solid (MS) can also be used. Colonies can be more easily visualised by staining with 'Dienes' stain after incubation.

FROZEN QC CULTURES AVAILABLE IN MICROTITRE TRAYS

To enable adequate testing of Mycoplasma Experience media, microtitre trays containing 96 x 0.1 ml. Wells of Frozen QC cultures (all low-passage) are available for our media customers.

With each tray issued, a Culture Data Sheet is supplied.

SPECIES	STRAIN	ORIGIN	PRICE (per tray)
M. arginini	69D	Cell culture isolate	£120
M. gallisepticum	MEVT A70	Avian isolate	£120
M. hyopneumoniae	JF685	Porcine isolate	£120
M. hyorhinis cultivar α	ATCC 29052	ATCC (cell culture)	£140
M. hyosynoviae	MEVT B55	Porcine isolate	£120
M. meleagridis	7672	Avian isolate	£140
M. orale	T24MM	Cell culture isolate	£120
M. pneumoniae	5167	Human isolate	£120
M. salivarium	IPNH	Cell culture isolate	£140
M. synoviae	263	Avian isolate	£120
A. laidlawii	25C	Cell culture isolate	£120
U. urealyticum	C	Human isolate	£140
S. citri	SPA	Plant isolate	£160
S. melliferum	BL7	Cell culture isolate	£160

Other cultures can be prepared on request. Please contact us for details.

All strains are restricted to a low subculture level (a maximum of 10), or passaged in cell cultures, to avoid media adaptation.

Data sheets accompanying the culture trays give the origin, subculture history, label and storage. Shipping is on solid carbon dioxide.