



Bacterial Motility Types

Microbiology Worksheet · MTLE · ASCPi · AIMS · CSMLS · NZMLS · HAAD

 NAME

 DATE

 SCORE

Part A

Match It!

Write the correct letter in the box that matches each motility type to its organism. 

MOTILITY TYPE

ORGANISMS



Corkscrew



Darting



Gliding



Swarming



Tumbling



Rapid Darting / Shooting Star

A

Vibrio cholerae

B

Listeria monocytogenes

C

Treponema pallidum

D

Campylobacter spp.

E

Proteus mirabilis

F

Capnocytophaga spp.

Fill in the Blanks!

Choose from the Word Box below. Write the correct organism or key term on each line.

WORD BOX

Treponema pallidum

Campylobacter

Capnocytophaga

Proteus mirabilis

Listeria monocytogenes

Vibrio cholerae

swarming

tumbling

gliding

25°C

darkfield

polar flagellum

- Proteus mirabilis* demonstrates _____ motility, spreading in concentric rings on non-inhibitory agar. 🦠
- Treponema pallidum* corkscrew motility is observed under _____ microscopy — it cannot be grown in standard culture. 🔍
- _____ motility in *Listeria monocytogenes* is the classic "end-over-end" movement. 🦠
- Listeria monocytogenes* expresses motility at _____, NOT at body temperature. 🦠
- _____ spp. show flagella-independent gliding motility on agar surfaces. 🦠
- Both *Campylobacter* and _____ share "shooting star" motility due to their single _____. ⭐

● Part C

True or False? 😬

Circle TRUE or FALSE for each statement. Be careful — some are tricky! 😊

- 1 *Treponema pallidum* can be cultured in standard laboratory media and its corkscrew motility is assessed using a hanging drop preparation. 🧪

TRUE FALSE

- 2 *Listeria monocytogenes* shows tumbling motility at 37°C because its peritrichous flagella are fully active at body temperature. 🦠

TRUE FALSE

- 3 Both *Campylobacter* and *Vibrio cholerae* can be described as having "shooting star" motility in different references. 🦠

TRUE FALSE

- 4 *Capnocytophaga* uses flagella to produce its gliding motility on agar surfaces. 🦠

TRUE FALSE

- 5 The swarming of *Proteus mirabilis* on agar can be suppressed using SIM medium instead. 🦠

TRUE FALSE

Part D

From Memory! 🌟

No word box this time! Write the organism for each motility type from memory. You've got this! 💪



Corkscrew motility



Darting motility



Gliding motility



Swarming motility



Tumbling motility



Rapid Darting / Shooting Star



Score: _____

/ 24

Reviewer: _____

TheCheckPoint Online Review

#HappyReadyRMTniLORD

krizzaalmond.com · Ref: Mahon's Diagnostic Microbiology, 7th ed. · Free Resource

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