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Objective

To develop a method for culturing haemocytes from North Atlantic Crustacean species.

Haemocyte Culture

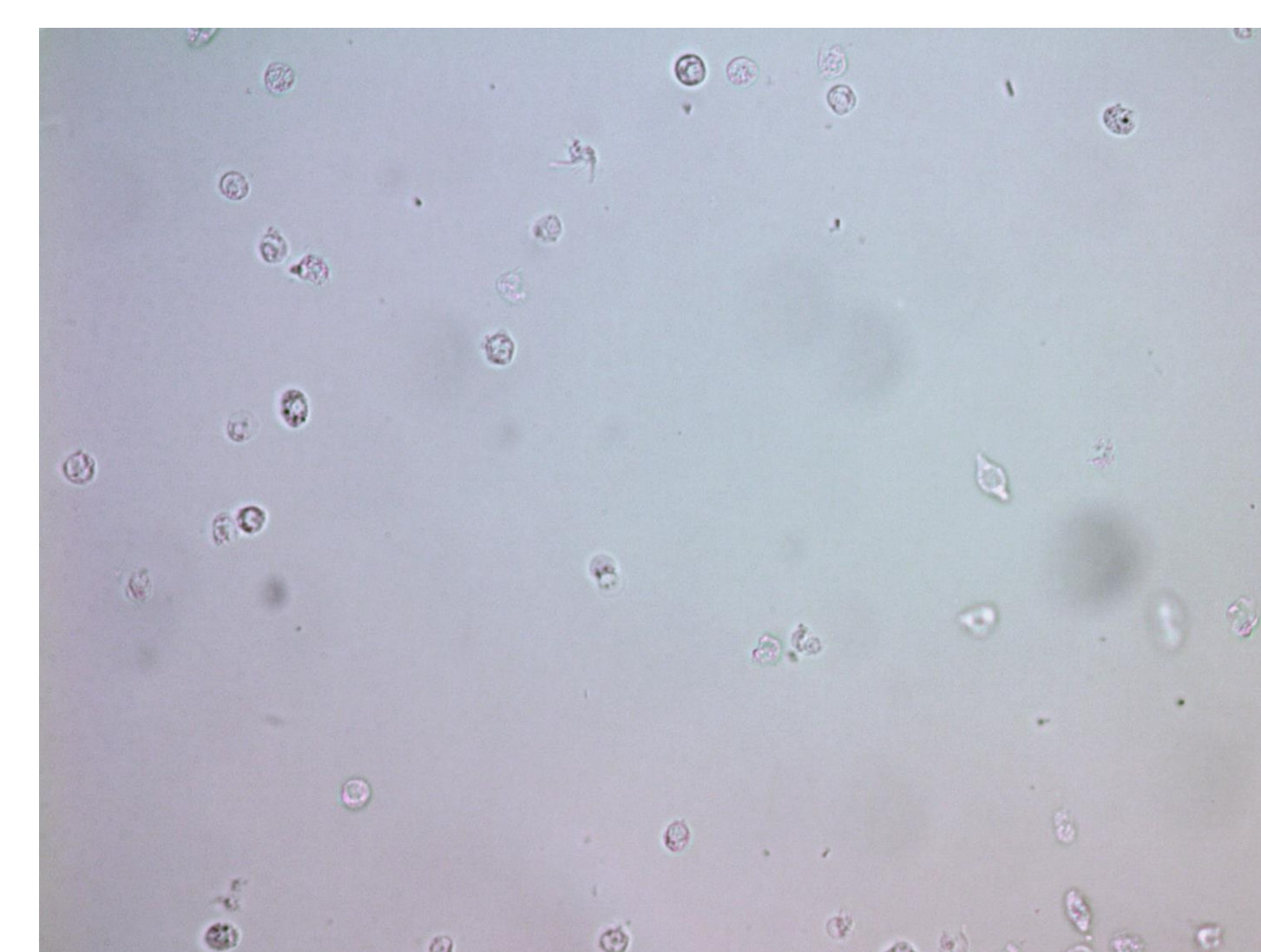
Do not require the animal to be euthanized

Primary haemocyte cultures

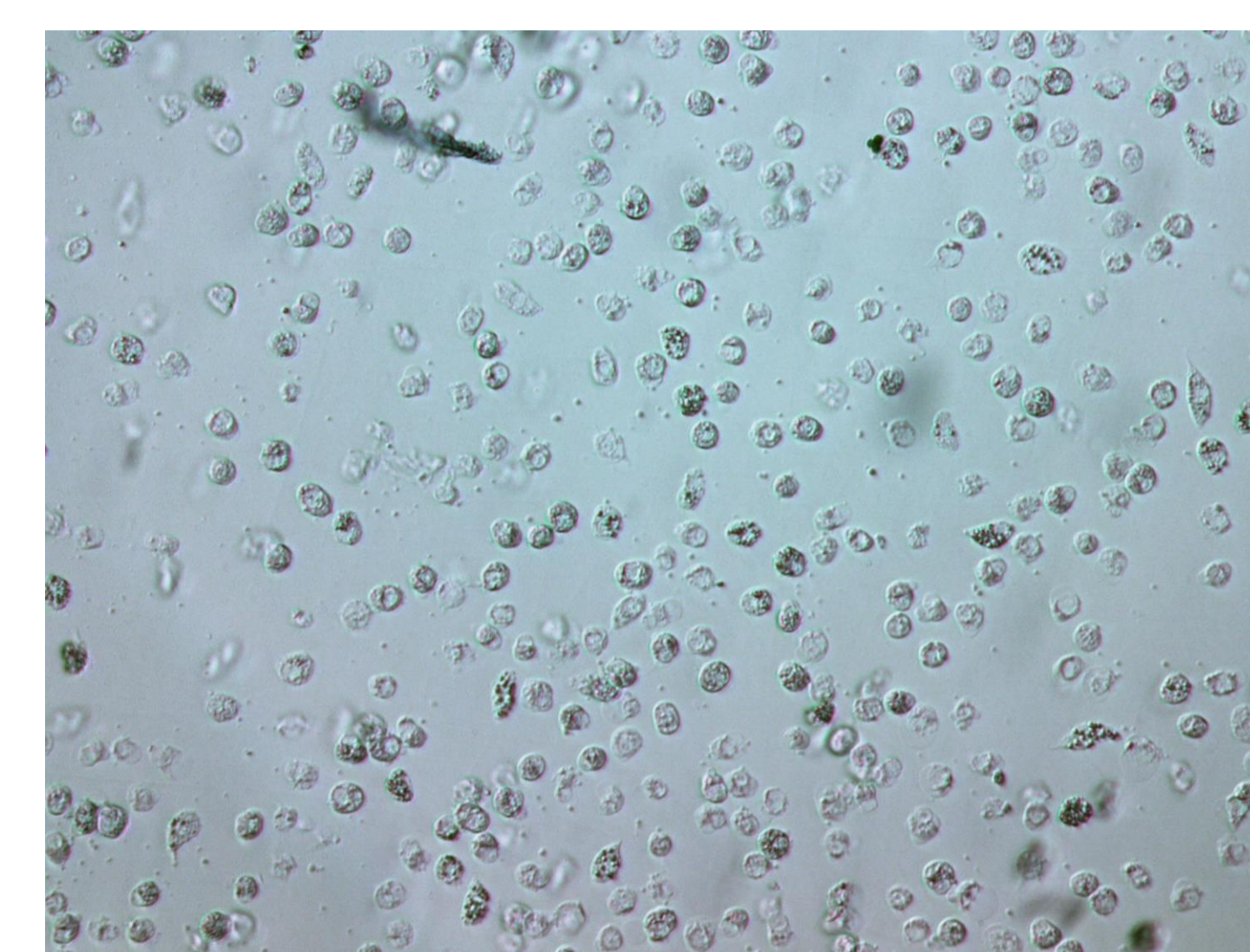
- Cannot divide or reproduce
- Finite lifespan

No current methods for North Atlantic crustaceans

Results



Snow crab haemocytes in L-15 media **with FBS**



Snow crab haemocytes in L-15 media **without FBS**

Final Haemocyte Culture Conditions

Media:	L-15
Salinity:	0.45 M
Pen/Strep:	1%
Glucose:	1 g/L

Applications of Research

- Health assessments
- Disease management
- Immunological understanding



Methods

Cell Culture Variation:

- | | |
|------------------|------------------------|
| • Anti-Coagulant | • Salinity |
| • Centrifugation | • Antibiotics |
| • Temperature | • Sugars |
| • Concentration | • Additional Additives |
| • Media used | • Maintenance |

Acknowledgements

I would like to thank Dr. Fraser Clark and the Clark Lab.

I would like to thank Ken Snow, Bill Bond and Alan Newell for collecting the crustaceans.

