

## **Chlorophyll and Carotenoids Assay in *Dunaliella***

Centrifuge algal sample volume of ~ 10 mL (V), 3 min, ~3000 rpm

Discard supernatant

Add 9 mL methanol

Mix well

Add 1 mL H<sub>2</sub>O up to 10 mL

Mix well

Centrifuge 1 min, ~3000 rpm (pellet should be white)

Read supernatant at:

OD 480nm for carotenoids

OD 663nm for chlorophyll

Calculations:

Chlorophyll (mg/L) = OD 663 nm x 13.15 x 10 /V (sample)

Carotenoids (mg/L) = OD 480 nm x 4.4 x 10 /V (sample)