

## Multi-Disciplinary Team Ventilator Optimisation – Target Parameters Pressure Control Modes

- Date on which form completed:.....
- Overall goal(s) for next 24 hours:.....
- Perform routine.....blood gases every.....hours (only if indicated)
- Confirm that PEEP, inspiratory time and trigger have been reviewed by at the ward round

Fill in the details below for the parameters to target, there is no requirement to set targets for all three of these parameters

### FiO2:

- Titrate FiO2 to maintain SpO2 between.....and.....%
- and/or PaO2 between.....and .....

### Peak inspiratory pressure (PIP):

- Titrate PIP by..... cmH2O up to every.....hours to maintain a tidal volume between..... and.....ml.
- Do not reduce PIP below.....cm H2O or increase PIP above.....cm H2O. Update the clinician responsible for patient when either this lower or upper PIP value is reached.
- When adjusting PIP, ensure the “Pressure Support” is not set at a higher value than PIP
- If FiO2 or etCO2 rise significantly after a reduction in PIP, consider reversing the most recent wean

### Controlled rate – select etCO2, PaCO2 or H+ guided:

- etCO2 guided: titrate controlled rate by ..... up to every ..... hours to maintain etCO2 between ..... and.....
- PaCO2 guided: titrate controlled rate by ..... up to every ..... hours to maintain a paCO2 between ..... and .....
- H+ guided: titrate controlled rate by ..... up to every ..... hours to maintain H+ between ..... and .....
- Do not reduced controlled rate to below ..... or increase to above .....
- If the patient’s measured resp rate is above the age-appropriate normal range do not wean controlled rate, may be appropriate to increase controlled rate in this scenario – see table below for reference

Normal Respiratory Rates	
Age	Normal resp rate
Term baby- 3 months	25-60
3-6 months	25-60
6-12 months	20-55
1 year	20-40
2 years	20-30
3 years	20-25
4 years	18-25
5-10 years	15-25
>10 years	12-25