# Ventilator-Associated Event Data Collection Worksheet

**PATIENT ID_________________________**

**Abbreviations:** Vent = ventilator; PEEP = Positive End-Expiratory Pressure; FiO₂ = fraction of inspired oxygen; Min = daily minimum; Max = daily maximum; ≤ 4K = ≤ 4,000 WBC/mm³; ≥ 12K = ≥ 12,000 WBC/mm³; QAD = Qualifying Antimicrobial Day (see Antimicrobial Worksheet or protocol for details); cx = culture; BAL = bronchoalveolar lavage; PSB = protected specimen brush; ETA = endotracheal aspirate; qual = qualitative (non-quantitative); quant = quantitative; Path = pathology/histopathology; VAC = Ventilator-Associated Condition; IVAC = Infection-related Ventilator-Associated Complication; PVAP = Possible VAP.

- aSemi-quantitative and quantitative culture criteria apply to BAL, PSB, ETA and lung tissue cultures only (not to sputum cultures).
- bETA: quantitative threshold ≥10⁴ CFU/ml (or moderate-heavy, 2+-4+ growth); BAL: quantitative threshold ≥10³ CFU/ml (or moderate-heavy, 2+-4+ growth); Lung tissue: quantitative threshold ≥10⁴ CFU/g (or moderate-heavy, 2+-4+ growth); PSB: quantitative threshold ≥10³ CFU/ml (or moderate-heavy, 2+-4+ growth)
- cExcludes the following, when cultured from sputum, ETA, BAL, PSB: Normal respiratory/oral flora, mixed respiratory/oral flora or equivalent, *Candida* species or yeast not otherwise specified, coagulase-negative *Staphylococcus* species, *Enterococcus* species. Exclusions do not apply to cultures of lung tissue or pleural fluid.
- d≥25 neutrophils per low power field [lpf, x 100] (or heavy, 4+) and ≤10 squamous epithelial cells per low power field [lpf, x 100] (or rare, occasional, few, 1+ or 2+)
- eAny of the following can be used to meet the PVAP definition: 1) positive pleural fluid culture where specimen was obtained during thoracentesis or initial placement of chest tube; 2) lung histopathology (see protocol for guidance); 3) positive diagnostic test for *Legionella* spp. or for the following respiratory viruses: influenza virus, respiratory syncytial virus, adenovirus, parainfluenza virus, rhinovirus, human metapneumovirus, coronavirus

### Step 1: VAC (change in A or B)

<table>
<thead>
<tr>
<th>Date</th>
<th>Vent Day</th>
<th>PEEP Min</th>
<th>FiO₂ Min</th>
<th>Temp Min (&lt;36⁰C)</th>
<th>Temp Max (≥38⁰C)</th>
<th>WBC Min (≤4K)</th>
<th>WBC Max (≥12K)</th>
<th>QAD (✓)</th>
<th>Meets semi-quant or quant criteria (BAL, PSB, ETA, lung tissue cx)³,₄,₅</th>
<th>VAE (VAC, IVAC, PVAP)</th>
</tr>
</thead>
</table>

### Step 2: IVAC (VAC, plus C or D, and E)

<table>
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<tr>
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<th>Vent Day</th>
<th>PEEP Min</th>
<th>FiO₂ Min</th>
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### Step 3: PVAP (IVAC, plus F or G or H)

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