**Study Design**

**Study Type?**  
Observational

**Randomized Study?**  
No

**Placebo Controlled?**  
No

**Length of Participation**  
1 Days

**Number of Study Visits?**  
1

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**Specimen Information**

**Status: Specimens are Available**

BALF samples were collected from patients at the time of clinically indicated bronchoscopy and BAL. Samples were planned to be collected from 180 CF patients and 45 Disease Control patients. BALF samples were frozen neat at -70 Celsius. Patient information was collected at the time of BAL including: age, gender, diagnostic information (sweat chloride, genotype), pancreatic status, co-morbidities, indications for bronchoscopy, pulmonary exacerbation score, recent antibiotic use and concomitant medications, recent lung functions, airway culture results from previous 2 years, and BALF cell count and culture results.

<table>
<thead>
<tr>
<th>Visit #</th>
<th>Time From Baseline</th>
<th>Specimens Collected</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>+0 Days</td>
<td>BAL</td>
</tr>
</tbody>
</table>

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**Additional Information**

**Phase?**  
Not Applicable

**Study Sponsor?**  
Zemanick, Edith

**Study Drugs?**  
N/A

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**Eligibility**

**Age**  
2 Months to 50 Years

**Mutation(s)**  
No Mutation Requirement

**FEV1% Predicated**  
No FEV1 Limit

**PA Status**  
Not Applicable

**Other**  
Clinically indicated bronchoscopy and bronchoaveolar lavage.
Study Results

STUDY RESULTS NOT YET AVAILABLE