## Diagnostic Criteria

<table>
<thead>
<tr>
<th>Category</th>
<th>X-Linked Agammaglobulinemia</th>
<th>Autosomal Recessive Agammaglobulinemia</th>
</tr>
</thead>
</table>

### X-Linked Agammaglobulinemia

Select all that apply

- ☐ Patient is Male
- ☐ Patient has less than 2% CD19+ B Cells

Select all that apply

- ☐ Mutation in BTK
- ☐ Absent Btk mRNA on northern blot analysis of neutrophils or monocytes
- ☐ Absent or reduced amount of Btk protein in monocytes or platelets
- ☐ Maternal cousins, uncles or nephews with less than 2% CD19+ B cells

Select all that apply

- ☐ Other causes of hypogammaglobulinemia have been excluded
- ☐ Onset of recurrent bacterial infection in the first 5 years of life
- ☐ Serum IgG, IgM and IgA more than 2SD below normal for age
- ☐ Absent isohemagglutinins and/or poor response to vaccines

### Autosomal-Recessive Agammaglobulinemia

Select all that apply

- ☐ X-Linked Agammaglobulinemia has been excluded
- ☐ Patient has less than 2% CD19+ B cells

Select all that apply

- ☐ Mutation in BLNK
- ☐ Mutation in Ig Alpha
- ☐ Mutation in Ig Beta
- ☐ Mutation in Lambda V
- ☐ Mutation in Mu heavy chain

Select all that apply

- ☐ Onset of recurrent bacterial infection in the first 5 years of life
- ☐ Serum IgG, IgM and IgA more than 2SD below normal for age
- ☐ Absent isohemagglutinins and/or poor response to vaccines