Intra-assay precision CV was 8% for IgG and 7% for IgA.

Inter-assay precision CV was 5.5% for IgG and 5.6% for IgA.

The new EliA™ ASCA assay represents a convenient and sensitive test for ASCA determination with good analytical performances and appears to be a helpful tool for IBD diagnosis. The specificity of the test is improved when IgG + IgA are positive, especially in the differential diagnosis with UC.

A positive EliA ASCA IgA + IgG result ensures better sensitivity and specificity for CD especially for the differential diagnosis with UC. However we observed that almost 50% of the celiac population had ASCA IgG+ IgA or only IgG; almost all patients who where ASCA positive had also a high anti-transglutaminase IgA titre.

**RESULTS AND DISCUSSION**

**1 Analytical performance**

Intra-assay precision CV was 8% for IgG and 7% for IgA.

Inter-assay precision CV was 5.5% for IgG and 5.6% for IgA.

The figure 2 A and B show that ASCA IgG/IgA values for CD range from low to very high titres. However most of UC and non IBD groups showed low or moderate titres.

**2 Prevalence of ASCA IgG and/or IgA in IBD and non IBD populations.**

- 58 patients with IBD serological markers prescription (ASCA and ANCA) were selected from our routine.
- 30 patients diagnosed CD with ASCA IgG and/or IgA positive.

**3 Correlation with ELISA assay (Alegria® Orgentec)**

A total of 133 sera were tested: 58 from the prevalence study with IBD serological markers prescription (ASCA and ANCA) and 48 more, not selected, from our routine.

**CONCLUSION**

The new EliA™ ASCA assay represents a convenient and sensitive test for ASCA determination with good analytical performances and appears to be a helpful tool for IBD diagnosis. The specificity of the test is improved when IgG + IgA are positive, especially in the differential diagnosis with UC.

**REFERENCES**
