**CCP antibodies (cyclic citrullinated peptide)**

An early, specific marker for rheumatoid arthritis (RA)

**Clinical rationale**

- Early detection and intervention are essential for joint preservation and improved quality of life
- CCP antibodies appear up to 10 years before the clinical diagnosis of RA
- CCP antibodies demonstrate greater specificity than RF while maintaining or increasing sensitivity
- CCP antibody results help physicians decide when aggressive therapy with biologicals is needed

"Irreversible joint erosion may occur early in the disease course in patients with rheumatoid arthritis (RA). . . . Therefore, it is important to diagnose RA correctly and fast.”

— Vander Cruyssen B, et al
**EliA™: Results make the difference**

**CCP antibodies**
- The first fully automated, licensed, and patented anti-CCP clinical marker in the US
- Unparalleled technical performance
  - Low variances and high reproducibility for consistent results
  - High lot-to-lot consistency using validated production procedures
- Excellent specificity and sensitivity

---

### Performance characteristics for early diagnosis

<table>
<thead>
<tr>
<th>Assay</th>
<th>Sensitivity at 98% specificity</th>
</tr>
</thead>
<tbody>
<tr>
<td>EliA CCP antibodies</td>
<td>74%</td>
</tr>
<tr>
<td>Assay 1</td>
<td>64%</td>
</tr>
<tr>
<td>Assay 2</td>
<td>67%</td>
</tr>
<tr>
<td>Assay 3</td>
<td>67%</td>
</tr>
<tr>
<td>Rheumatoid factor (RF)</td>
<td>17%</td>
</tr>
</tbody>
</table>

---

“...not all commercially available methods for the detection of [CCP antibodies] have the same degree of diagnostic accuracy, and... careful selection is needed to obtain reliable results.”

— Bizzaro N, et al

---

**EliA: Automation makes it easy and economical**
- Using the proven ImmunoCAP® 100 and ImmunoCAP 250 automated laboratory systems
- Moderately complex
- High efficiency for reduced labor costs and hands-on time
  - Discrete single-well testing
  - One calibration curve per isotype stored for 28 days
    - IgA, IgE, IgG, IgM
- Onboard dilutions

---

**References**


---

www.phadia.us

ImmunoCAP is a US registered trademark and EliA is a US trademark of Phadia AB

©2008 Phadia US Inc., a subsidiary of Phadia AB

©2008 Phadia US Inc., a subsidiary of Phadia AB

08018.01