Features

- Fully automated assay on the BCS® and BCT® analyzers
- STAT capability
- Determination of acquired Factor XIII deficiencies
- Monitoring of Factor XIII substitution therapy
- Precise results and controls: CPN Inter-assay CV < 5%
  CPP Inter-assay CV < 6%

Essential knowledge about Factor XIII

Congenital or acquired deficiency of fibrin stabilizing Factor XIII impairs cross-linking of fibrin, sometimes leading to severe bleeding. Low levels of Factor XIII (below 50%) result in insufficient cross-linking of fibrin. Only at higher (normal) Factor XIII activity levels fibrin clot stability sufficient for normal hemostasis.

Acquired Factor XIII deficiency\(^1\) can be associated with

- Liver diseases\(^2\)
- Inflammatory bowel diseases\(^3\) (Crohn’s disease, ulcerative colitis)
- Systemic hematologic diseases
- Disseminated intra-vascular coagulation (DIC)
- Sepsis
- Surgery

Determination of Factor XIII Deficiency with Berichrom® F XIII
We recommend monitoring F XIII in the following situations:

- Patients with any form of liver disease
- Intensive care patients with increased risk of bleeding (twice per week)
- Unexplained bleeding
- Impaired wound healing
- Sepsis, (F XIII will decrease slowly after onset of sepsis)
- Thrombocytopenia
- Factor XIII substitution therapy (daily monitoring)
- Inflammatory bowel disease (assessment of disease activity)
- Sepsis, (F XIII will decrease slowly after onset of sepsis)
- Thrombocytopenia
- Factor XIII substitution therapy (daily monitoring)
- Inflammatory bowel disease (assessment of disease activity)

The indication for F XIII substitution therapy is acute bleeding together with measured F XIII deficiency below 50%. Controlled studies have shown that prophylactic F XIII substitution can reduce the number of post-operative bleeding cases.

Frequency of F XIII deficiency in hospitalized patients

Order information Berichrom® F XIII

<table>
<thead>
<tr>
<th>Product Code:</th>
<th>Number of tests/kit on BCS®</th>
<th>Number of tests/kit on BCT®</th>
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<tbody>
<tr>
<td>OWSU 11</td>
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References