



St. John Health Laboratories Point of Care Testing

Fecal Occult Blood



Point of Care Testing

- Clinical testing that is performed outside the laboratory by non-lab associates
- Performed under the laboratory's CLIA certificate and subject to regulatory guidelines
- Must meet Joint Commission and CAP accreditation standards



Accreditation Requirements

- Initial Training includes:
 - FOB PowerPoint Presentation
 - Exam on Resident Website
- Annual Competency:
 - Take exam(s) on SJH Learning Institute
 - Compliance Monitored by Dept. Resident Coordinator



Important Note:

- Standard Precautions should be followed during all phases of testing.
- Residents that have difficulty in discerning color should be restricted from performing FOB. Occupational Health screens for color blindness.



Fecal Occult Blood Screen for Colorectal Cancer

Two methods available:

- Guaiac (FOB): Lab and physicians perform. Better Screening for Upper GI Bleeds
- Immunochemical (Order FOBI):
Only Laboratory performs
Better Detection for Lower GI Bleeds

Beckman Coulter Hemoccult

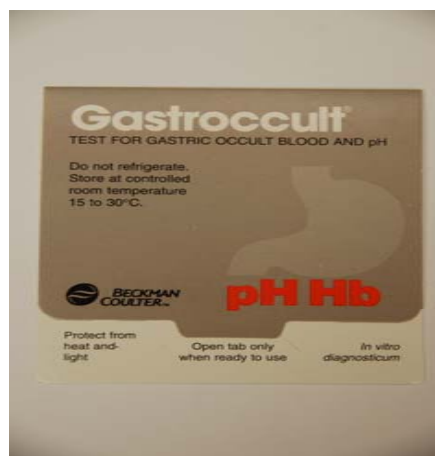
Product used by all SJ Health sites

Use only Hemoccult brand developer with Hemoccult brand slides.



Gastrocult Card: Only Laboratory Performs

- Specially designed for acidic gastric pH.
- Gastric Secretions must be sent to the laboratory for analysis.



- Do not use for Stool samples.

FOB DEVELOPER:

Good Lab Practice: Date vial when opened.

- Use before the expiration date.
- Store tightly capped away from heat, and light.
- Warning: Flammable.

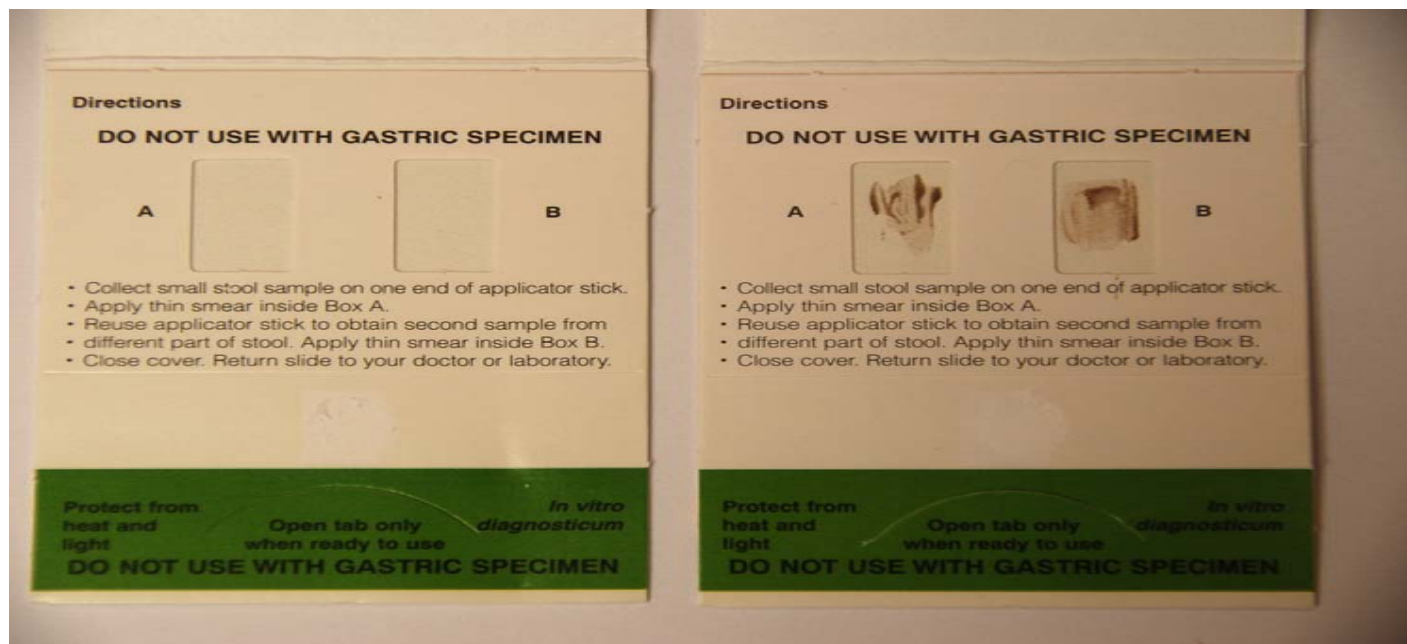


Use before the expiration date. Store away from heat, light and moisture. Guaiac paper should be pale beige. Discard if green or blue.



Compromised Card Acceptable Card

Specimen Application: Put a thin smear on front of the card in boxes A and B.



Close card. **MUST** allow to dry 3 –5 minutes before applying the developer.

After 3 –5 min., open back of card. Apply 2 drops of developer to Box A and B and one drop in the middle of the orange bar. Time for 60 seconds.



On Slide Performance Monitor (Quality Control) (QC) **must** show correct color development.



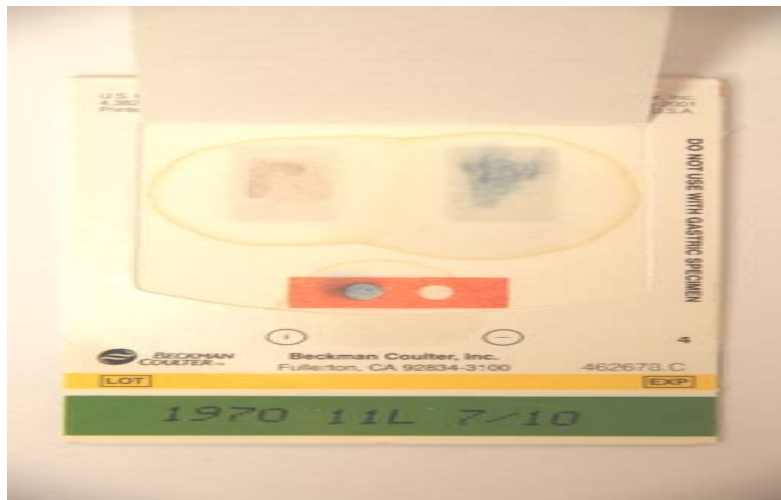
Patient and QC results must be read within 60 seconds.

Positive Control must be blue. Negative Control must be beige.

Test is invalid if monitors (QC) do not show proper color change.

If monitors are invalid, repeat test with new card and/or developer.

Any trace of blue on or at the edge of either smear is Positive. Wait 60 seconds before reporting a Negative result.



A brownish color may be due to over application of specimen and a greenish color may be due to bile pigments. Only a blue color should be reported as positive.



Result Documentation Regulatory Requirements:

Use the H & P section, T-Sheet, POCT Result Form or eCare to document ALL of the following:

FOB: Test result (Pos/Neg)

QC: OK

Date:

Time:

Initials:



Interfering Substances:

- False Negative: Vitamin C in excess of 250 mg/dL.
- False Positives:
 - NSAIDS
 - Ingestion of Red Meat
 - GI irritation due to EtOH consumption
 - Use of antiseptic containing iodine