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| C:\Users\mindyp\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Outlook\VBIRRK80\sp_medical_center_high_res.gif600 E Main StreetElma WA 98541 | Title: KETONEDepartment: LaboratoryTotal Number of Pages: 1 |
| Effective Date: 03/01/1992; Revised: 09/26/2006:Revised: 09 05/30/2016: 08/24/2016 |  |
| Approval:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_\_ Medical DirectorAuthor na Title: Mara S Hill MT AMT |  |

**PRINCIPLE:**

Ketones in urine or blood will form a colored complex with nitroprusside in the presence of glycine. A buffer provides the optimum pH for this reaction. Serum, plasma, or whole blood may also be tested for the presence of ketones. The presence of ketone bodies is important in the evaluation of carbohydrate metabolism. The test is based on the nitroprusside reaction with ketone bodies to give a purple color.

**MATERIALS NOT PROVIDED:**

* Paper towel
* Disposable pipette

**PROCEDURE:**

* Place 1 Ketone tablet onto a clean paper towel
* Put 1 drop of urine, serum, plasma, or whole blood directly on top of the tablet
* For URINE testing: compare color of tablet to Color Chart on Package Insert after 30 seconds
* For SERUM or PLASMA: Compare the color of tablet on Color Chart on Package Insert after 2 minutes
* For WHOLE BLOOD: 10 minutes after application of specimen remove clotted blood from tablet to compare to color chart

**RESULTS:**

Results are recorded as negative if no purple color in apparent on the tablet at the appropriate reading time. Disregard any pink, tan, or yellow color. Positive results are recorded as small, moderate, or large on comparison to the Color Chart. No calculation is necessary.

**QUALITY CONTROL:**

QC will be performed on the day of testing using the normal and abnormal urine controls.

**REFERENCE:**

AimTab Ketone Reagent Tablet Package Insert; Germaine Laboratories, Inc revised 12/15.

Reviewed (no changes required):

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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